

16-11-15-15  
Capital Reporting Company  
Day 14 In Re: Determination of Royalty Rates (Public) 05-14-2015

3668

Before the  
UNITED STATES COPYRIGHT ROYALTY BOARD  
Library of Congress  
Washington, D.C.

 ORIGINAL

-----:  
In Re: : Docket No.  
: 15-CRB-0001-WR  
Determination of Royalty : (2016-2020)  
Rates and Terms for : Volume 14-PUBLIC  
Ephemeral Recording and : Pages 3668-3685  
Digital Performance of : Pages 3708-3711  
Sound Recordings (Web IV) : Pages 3717-3902  
-----: Pages 3917-3965

PUBLIC SESSION

Washington, D.C.

Thursday, May 14, 2015

The hearing in the above-entitled matter was  
convened at 9:06 a.m.

BEFORE COPYRIGHT ROYALTY JUDGES:

SUZANNE M. BARNETT, CHIEF JUDGE

DAVID R. STRICKLER, JUDGE

JESSE FEDER, JUDGE

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1 P R O C E E D I N G S

2  
3 (PUBLIC SESSION)

4 CHIEF JUDGE BARNETT: Good morning.  
5 Please be seated.

6 JUDGE STRICKLER: We have more books.  
7 Show up and there they are.

8 JON PEDERSEN,  
9 being first duly sworn, to tell the truth, the whole  
10 truth and nothing but the truth, testified as  
11 follows:

12 MR. ANGSTREICH: Thank you, Your Honor.  
13 Good morning.

14 CHIEF JUDGE BARNETT: Good morning.

15 DIRECT EXAMINATION BY COUNSEL FOR IHEARTMEDIA

16 BY MR. ANGSTREICH:

17 Q. Mr. Pedersen, because there are two Pedersens,  
18 if you could just spell your name for the record.

19 A. Sure, Jon, J-O-N, middle initial D, last name  
20 Pedersen, P-E-D as in David, E-R-S-E-N.

21 Q. Thank you. Mr. Pederson, where do you work?

22 A. IHeartMedia.

23 Q. What is your current position there?

24 A. I'm CFO of markets, sales and shared services,  
25 slight change from the testimony. I was recently

1 promoted a couple of months ago.

2 Q. Congratulations. Briefly, what are your  
3 responsibilities in your role?

4 A. Sure. I manage finance accounting and  
5 infrastructure for the radio markets, as well as the  
6 national sales team, all the accounting finance  
7 credit collections, groups down in San Antonio, and I  
8 also oversee the finance area for iHeartRadio.

9 Q. Does that responsibility include making  
10 payments under the statutory license and direct  
11 licenses?

12 A. It does. The finance team, as well as some of  
13 the teams at iHeartRadio are responsible for royalty  
14 statements related to these agreements and that's  
15 under my supervision.

16 Q. How long have you been at iHeartMedia?

17 A. Since March 2014.

18 Q. Before you came to iHeartMedia, did you work in  
19 the music industry?

20 A. Yes. In 2005, I joined Warner Music Group as  
21 assistant controller. I was assistant controller at  
22 Warner Music for three years and then I was promoted  
23 to controller in September 2008, and I was at Warner  
24 Music through September 2011 as controller.

25 Q. And as assistant controller and controller,

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1 could you briefly describe what your responsibilities  
2 were there?

3 A. Sure. I handled all the SEC filings for  
4 accounting, technical accounting, financial planning  
5 analysis groups, budget forecasting, all of the --  
6 again, all of the core findings and accounting  
7 functions for the entire company rolled up into my  
8 group.

9 Q. And what, if any, interactions with  
10 SoundExchange did you have in that role?

11 A. Sure. As the -- as SoundExchange was growing  
12 and was starting to become a meaningful revenue  
13 stream for the record labels, I spent -- I took  
14 numerous trips down to visit with SoundExchange, with  
15 -- meet with their folks about trying to understand  
16 the revenue streams that were coming to Warner Music  
17 from SoundExchange and trying to figure out how to  
18 accelerate payments.

19 It was a nascent process back in the day and we  
20 were really trying to help them figure out how to get  
21 money out of some of these things quicker.

22 MR. CHOUDHURY: Your Honor, I believe this  
23 testimony is beyond the scope of direct testimony.  
24 There's nothing about Mr. Pedersen's meetings with  
25 SoundExchange in his direct testimony.

1 MR. ANGSTREICH: Your Honor, in Paragraph  
2 7 of his direct testimony, Mr. Pedersen specifically  
3 describes that SoundExchange began as a smaller  
4 business within -- and talked about how it grew with  
5 regard to accounting. SoundExchange has objected to  
6 the introduction of this paragraph for lack of  
7 foundation. I'm laying the foundation for the  
8 paragraph so that when the objection comes up, you  
9 will be able to rule on it.

10 CHIEF JUDGE BARNETT: Overruled.

11 BY MR. ANGSTREICH:

12 Q. Mr. Pedersen, in addition, did you have any  
13 interactions with Warner's direct licensed service  
14 partners?

15 A. Sure. I mean, the -- as part of the label's  
16 business, we were involved in licensing our content  
17 to virtually every service in the planet, from  
18 Spotify to defunct services like Imeem and Wawa and  
19 just every -- Rhapsody, everything that was out  
20 there, and as you know, being at Warner from 2005 on,  
21 as digital businesses were growing, we had to build  
22 an infrastructure as to how to ingest all of the data  
23 that was coming along so we could pay royalties on  
24 all of the songs and the plays that came through from  
25 all the different services.

1 Q. And you said you left Warner in 2011. Why did  
2 you leave?

3 A. Yeah, the company was sold to -- it was a  
4 private equity ownership and we sold the company, and  
5 the sale closed in July 2011, and most of the senior  
6 financial leadership left as part of the turnover, as  
7 part of the acquisition.

8 Q. And what involvement, if any, did you have in  
9 the sale of Warner Music Group?

10 A. I was very involved with the bankers. Goldman  
11 was our banker, and I was principally involved in  
12 putting together the deal model and the five-year  
13 projections which included everything from revenue  
14 projections to margin projections versus all the  
15 different revenue streams, physical, CD, digital  
16 licensing as well as other businesses that we were  
17 getting into at the time, too, so basically, soup to  
18 nuts, the financial modeling process and due  
19 diligence.

20 MR. CHOUDHURY: Your Honor, this is  
21 clearly beyond the scope of his testimony. There is  
22 nothing about his work in the financial modeling for  
23 Warner in his testimony.

24 MR. ANGSTREICH: Again, Your Honor --

25 CHIEF JUDGE BARNETT: This is just his

1 professional background. I think it's allowable.

2 Overruled.

3 MR. ANGSTREICH: Thank you, Your Honor.

4 BY MR. ANGSTREICH:

5 Q. Mr. Pedersen, speaking of your testimony, if  
6 you could turn to Tab 1 in your binder.

7 Do you recognize this document?

8 A. Yes. This is the testimony I submitted  
9 earlier.

10 Q. If you could turn to the last page, is that  
11 your signature?

12 A. Yes, that is my signature.

13 Q. And now, Mr. Pedersen, have there been any  
14 corrections to your testimony since it was initially  
15 filed?

16 A. There is. On the top of Page 5, the top line  
17 was mistakenly omitted from the original testimony.  
18 This is the corrected testimony.

19 My understanding is it was provided this week  
20 to everybody, so everybody should have the right one.

21 MR. ANGSTREICH: Your Honor, this is the  
22 line at the top of Page 5 that starts with the  
23 section symbol 1M, in parentheses, comma, S, in  
24 parentheses due to our printing glitch, it was  
25 omitted from the restricted version although a black

1 outline was in the originally-filed public version,  
2 so I'm going to blame Microsoft.

3 CHIEF JUDGE BARNETT: Might as well.

4 MR. ANGSTREICH: Your Honors, I move to  
5 admit Tab 1 which is iHeart Exhibit 3220 into  
6 evidence.

7 MR. CHOUDHURY: No objection.

8 CHIEF JUDGE BARNETT: 3220 is admitted.

9 (IHeartMedia Exhibit No. 3220 was admitted  
10 into evidence.)

11 BY MR. ANGSTREICH:

12 Q. Mr. Pedersen, you've reviewed the SoundExchange  
13 terms and conditions proposal?

14 A. Yes, I have.

15 Q. Can you turn to Tab 2 in your binder.

16 What is this document, Mr. Pedersen?

17 A. This is the proposed rates and terms of the --  
18 that SoundExchange is proposing for the industry.

19 Q. Is this the specific one you had reviewed in  
20 connection with your testimony?

21 A. No. This is -- it's slightly altered. This is  
22 an amended version, but my understanding in reading  
23 through it, it is substantially the same as what I  
24 had reviewed previously.

25 MR. ANGSTREICH: We've marked this as



1 iHeart Exhibit 3639 for identification purposes only.

2 BY MR. ANGSTREICH:

3 Q. Can you turn to Tab 3 in your binder,  
4 Mr. Pedersen?

5 A. Sure.

6 Q. Mr. Pedersen, what is this document?

7 A. It's just some bullet points that I put  
8 together that really summarized the key points of my  
9 testimony.

10 Q. And I'm not going to take you through all of  
11 these, but I would like to draw your attention to the  
12 second subbullet: "Use of fair method of allocation  
13 leads to arbitrary results and disputes."

14 Could you summarize briefly your testimony as  
15 to that point?

16 A. Sure. SoundExchange's fair method of  
17 allocation proposal allows for wide interpretation of  
18 how to actually allocate revenue between sources. If  
19 you -- there are no hard and fast rules governing how  
20 that would happen in the economy literature, which  
21 means if you took ten reasonable people and have them  
22 try to do this, you'd come up with ten different  
23 results which would lead to fairly arbitrary  
24 differences.

25 It would also cause -- to be honest,

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1 SoundExchange has audit rights and, of course, we are  
2 actually under a SoundExchange audit right now, and  
3 it is easy to audit when you have facts, but if  
4 there's lots of interpretation and gray area, I'm  
5 trying to actually come up with a result that is  
6 predictable, understandable across the industry and  
7 how to be auditable to be -- to me, I think it is  
8 just completely impractical.

9 Q. Can you give us a specific instance where those  
10 kinds of problems might arise?

11 A. Sure. We have some radio stations that play  
12 music 24 hours a day, seven days a week. We have  
13 some radio stations that have -- that are all talk,  
14 but then we also have -- there are some of our  
15 contemporary hits radio stations have personalities  
16 on.

17 For an example, in morning drive in LA, you  
18 have Ryan Seacrest, one of our biggest, most popular  
19 stations, one of our highest billing stations, but  
20 with Ryan on the air, he talks a lot. We may play  
21 one, two, three songs an hour, some songs, some days,  
22 there might be five songs an hour, but it would be  
23 impossible for me to try to determine, you know, if,  
24 you know, the revenue that is generated during that  
25 program, how much of it is generated because Ryan

1 Seacrest is on the air versus how much is dedicated  
2 to -- towards the music that gets played on the  
3 channel.

4 This goes back, you could devise a way to try  
5 to determine that, but, you know, it would be very,  
6 very subject to opinion and interpretation and  
7 reasonable people could disagree on the methodology.

8 Q. And just to be clear, Mr. Seacrest's show is  
9 simulcast on the Internet?

10 A. It is, yes. All of our stations are simulcast  
11 on iHeartRadio.

12 Q. Could you turn to Tab 4, Mr. Pedersen?

13 A. Sure.

14 Q. What is this document?

15 A. This is a document that we put together to just  
16 kind of compare the SoundExchange revenue definitions  
17 versus our agreement with Warner Music Group and also  
18 versus our independent agreements that we have direct  
19 with some of the other smaller labels.

20 MR. ANGSTREICH: Your Honors, I'd move to  
21 iHeart Exhibit 3221 into evidence.

22 MR. CHOUDHURY: No objection.

23 CHIEF JUDGE BARNETT: 3221 is admitted.

24 (IHeartMedia Exhibit No. 3221 was admitted  
25 into evidence.)

1 MR. ANGSTREICH: Thank you, Your Honor.

2 BY MR. ANGSTREICH:

3 Q. Mr. Pedersen, if you could just turn back to  
4 Tab 3?

5 A. Sure.

6 Q. So the second set of bullets, talking about the  
7 payment schedule, could you briefly describe -- and I  
8 think you can do this one without clearing the  
9 courtroom, the next one not so much.

10 But could you briefly describe the four-stage  
11 process that is referenced in the first bullet?

12 A. Sure. I mean, the first stage is actually --  
13 it's more technological, where we pull all of the  
14 data from our servers, from Accumulo, all the logs,  
15 and so we can actually try to determine how many  
16 plays of any particular song that there are and get  
17 all the data together.

18 The second stage is the one-year stage where we  
19 do lots of review and quality assurance checks to try  
20 to make sure that we actually have captured all of  
21 the data, all the plays from all the different  
22 stations. We -- the format flips all the time, so  
23 it's a fairly complicated and involved process, and  
24 in that state, we also sometimes find errors and when  
25 we find errors, there are times when we actually have

1 to go back to Step 1 and rerun the data to try to  
2 make sure that we have a complete data set in order  
3 to try to calculate what we need to pay for royalty.

4 Step 3 is more the senior finance review, as  
5 well as -- that is when it kind of comes up to my  
6 level, where I meet monthly with the team to actually  
7 go through the numbers and do high level quality  
8 checks as well as making sure that what we are seeing  
9 in the numbers actually make sense versus what we  
10 understand is happening on the product.

11 And then fourth is once we are satisfied that  
12 we can -- actually are okay to pay, then there is a  
13 process we have to actually go through and actually  
14 create the 50-odd-plus royalty statements and then  
15 actually mechanically make payments to all of our  
16 various partners.

17 Q. And how long does this process take?

18 A. Well, for our direct deals, with the  
19 independents, we have always have a 45-day term, and  
20 we're -- we hit that target for the most part all the  
21 time. The Warner deal has a 30 day and we have  
22 missed the 30 --

23 Q. Just to caution you, if you speak in  
24 generalities, I think we can keep the courtroom open.

25 A. Sure. Right. So the process overall takes,

1 you know, somewhere between, you know, 28 and 45 days  
2 depending on what happens in any particular month.  
3 It is not an exact science. We continue to improve  
4 and make changes to our product and infrastructure.  
5 Sometimes it makes it better, sometimes it makes it  
6 worse. We break things and we ultimately -- it is a  
7 pretty complicated, labor intensive process, but  
8 it's, generally, you know, between 30 and 45 days is  
9 where we come out.

10 MR. ANGSTREICH: I have one more question  
11 and I don't think I can do this in open court.

12 CHIEF JUDGE BARNETT: Anyone in the  
13 hearing room who has not signed a nondisclosure  
14 certificate, please wait outside for a few minutes.

15 (THIS ENDS PUBLIC SESSION)

16 (RESTRICTED SESSION BOUND SEPARATELY)

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Day 14 In Re: Determination of Royalty Rates (Public) 05-14-2015

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1 (THIS BEGINS PUBLIC SESSION)

2 BY MR. CHOUDHURY:

3 Q. Mr. Pedersen, just a couple of additional  
4 questions with respect to your testimony.

5 For SoundExchange, your payment obligations  
6 require providing a report of use, a statement of  
7 account and actually providing the payment, right?

8 A. Correct.

9 Q. In your testimony, when you are describing the  
10 process and again, only at a general level, are you  
11 talking about the process for all of iHeart's payment  
12 reports to all of its partners, or just its payment  
13 obligations to SoundExchange?

14 And here, it's Paragraph 28 and 29.

15 A. In 28 and 29, we are talking about everything.

16 Q. Okay. You haven't testified about how many  
17 times iHeartMedia has been late in its payment  
18 obligations to SoundExchange, correct?

19 A. No.

20 Q. And you haven't testified about whether your  
21 current -- you haven't testified about how your  
22 current process would be changed if there was a  
23 30-day payment window, correct?

24 A. I have not.

25 MR. CHOUDHURY: That's all the questions.



1 CHIEF JUDGE BARNETT: Mr. Angstreich?

2 MR. ANGSTREICH: I just have one question  
3 on redirect. It will take three questions to get to  
4 the one question.

5 REDIRECT EXAMINATION BY COUNSEL FOR IHEARTMEDIA

6 BY MR. ANGSTREICH:

7 Q. Could you turn to Tab 5 in the big binder,  
8 Mr. Pedersen?

9 A. Sure.

10 Q. Does this look to you to be the agreement  
11 between iHeart and Warner?

12 A. It does appear to be, yes.

13 Q. Could you turn to Page 17 of that agreement,  
14 and it's labeled as 18 of 112 on the bottom  
15 right-hand corner.

16 A. Okay.

17 Q. And do you see a term -- roughly in the middle  
18 of the page, that talks about late payments?

19 A. Yes.

20 Q. That is the late payment provision in the  
21 Warner agreements?

22 A. Yes.

23 MR. CHOUDHURY: Your Honor, we object on  
24 foundation. This witness has already said that he  
25 hasn't reviewed the contract.

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1 MR. ANGSTREICH: Your Honor, Mr. Choudhury  
2 made a representation --

3 CHIEF JUDGE BARNETT: He hasn't testified  
4 what?

5 MR. CHOUDHURY: He's testified that he is  
6 not familiar with the contracts. He wasn't involved  
7 in the negotiations, when we tried to use the  
8 contracts with him, it was the objection that was  
9 made.

10 CHIEF JUDGE BARNETT: Your response?

11 MR. ANGSTREICH: Mr. Choudhury made a  
12 false representation to this panel regarding the  
13 content of the late payment term in the Warner  
14 agreement. I'm not going to say it out loud because  
15 the agreement is confidential, but Your Honors can  
16 see that what Mr. Choudhury said was the late payment  
17 term in the Warner agreement is just false. That is  
18 all I was trying to bring out.

19 CHIEF JUDGE BARNETT: Mr. Angstreich, the  
20 panel is well aware that the comments of the  
21 attorneys are not evidence.

22 MR. ANGSTREICH: Thank you, Your Honor.

23 JUDGE STRICKLER: I have one question for  
24 the witness, but unfortunately, I think it is in  
25 closed session.

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1 (THIS ENDS PUBLIC SESSION)

2 (RESTRICTED SESSION BOUND SEPARATELY)

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Capital Reporting Company  
Day 14 In Re: Determination of Royalty Rates (Public) 05-14-2015

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1 (THIS BEGINS PUBLIC SESSION)

2 LAWRENCE T. ROSIN,

3 being first duly sworn, to tell the truth, the whole

4 truth and nothing but the truth, testified as

5 follows:

6 MR. MARKS: Your Honor, we have some  
7 demonstratives. We'll have them on the screen but we  
8 also have printouts in case it is easier to look at  
9 the printouts and move forward.

10 CHIEF JUDGE BARNETT: Thank you. I am  
11 suddenly mourning America's forests. The local  
12 public radio station is doing a pledge drive and for  
13 every new member they are donating a tree in the  
14 forest, so I think I will order all of you to become  
15 members.

16 And we are in open session?

17 MR. MARKS: We are in open session and we  
18 will remain in open session throughout his direct  
19 testimony.

20 CHIEF JUDGE BARNETT: Thank you.

21 MR. MARKS: Can we pull up the slides?  
22 Thank you.

23 DIRECT EXAMINATION BY COUNSEL FOR PANDORA

24 BY MR. MARKS:

25 Q. Mr. Rosin, could you please --

1 MR. MARKS: Ready to go ahead?

2 CHIEF JUDGE BARNETT: Yes.

3 BY MR. MARKS:

4 Q. Mr. Rosin, could you please state your full  
5 name for the record?

6 A. Lawrence Thomas Rosin.

7 Q. And would you please identify for the judges  
8 any undergraduate and graduate degrees that you have?

9 CHIEF JUDGE BARNETT: Before we do that,  
10 I'm sorry, spell your last name for the record  
11 please.

12 THE WITNESS: It's spelled unusually,  
13 R-O-S-I-N.

14 CHIEF JUDGE BARNETT: Thank you.

15 BY MR. MARKS:

16 Q. And would you please identify for the judges  
17 any undergraduate and graduate degrees that you have?

18 A. I have an undergraduate degree from Princeton  
19 and I have an M.B.A. from the Wharton School at the  
20 University of Pennsylvania.

21 Q. Mr. Rosin, where do you work?

22 A. I work at Edison Research in Somerville, New  
23 Jersey.

24 Q. What is your position at Edison Research?

25 A. I am president and cofounder.

1 Q. And how long have you worked at Edison?

2 A. Since its founding in 1994.

3 Q. And on a general level, could you please tell  
4 the judges what Edison Research does?

5 A. We are a survey research, market research  
6 polling firm.

7 Q. Could you please describe your past work  
8 conducting surveys?

9 A. We concentrate on two primary areas. We are  
10 probably best known as the company that does the exit  
11 polls for the U.S. television networks and the  
12 Associated Press on election day for the presidential  
13 election and the primary and midterm elections, and  
14 as well, we have a broad practice relating to media  
15 with specific specialization in music, radio, audio.

16 Q. And who are some of the clients for whom you  
17 have done survey work?

18 A. We have a broad list of clients. Of course,  
19 for the exit polls, it is the major U.S. television  
20 news networks and the Associated Press as well as  
21 subscribers to major newspapers around the country  
22 and around the world. We work with many record label  
23 music companies including many of the majors. We  
24 have a broad practice in radio working with many  
25 major and minor radio companies in the U.S.A., and

1 around the world, including what used to be called  
2 Clear Channel which is now called iHeart. The  
3 largest radio group in the U.K. called Global, the  
4 largest radio group in Australia which is called  
5 Southern Cross Austereo, and many others around  
6 Europe, South America and elsewhere throughout the  
7 world and of course here in North America.

8 Q. I didn't mean to interrupt.

9 A. We also work extensively in Internet audio. We  
10 have worked with companies like Pandora, Spotify,  
11 TuneIn Radio and many others, as well as we work more  
12 broadly in the world of digital media with companies  
13 like Google, Yahoo and others.

14 Q. What is the Infinite Dial?

15 A. The Infinite Dial is a series of research  
16 projects we have been doing annually since 1998. We  
17 field it in January of each year and it is a survey  
18 done to very high research standards. We have been  
19 tracking all the way back since the beginning of that  
20 study, the development of various items relating to  
21 digital audio, digital device adoption, streaming  
22 media of all kinds, social media and many other  
23 things, and it is a widely looked to and quoted study  
24 that we do.

25 Q. What is the Share of Ear?



1       A. Share of Ear is a newer research initiative  
2     that we have been doing since last year. It is  
3     similar in some ways to Infinite Dial but it is  
4     instead, more of a measurement-oriented survey where  
5     we are trying to measure the entire sort of broad  
6     world of audio here in the United States, so that we  
7     can get a comparison of the usage and size of the  
8     different kinds of audio, for instance, broadcast  
9     radio versus Internet radio versus satellite radio,  
10    even if they owned music, podcast, music from music  
11    television channels and many other things so it's  
12    similar but a different initiative to --  
13    more-oriented towards measuring of time spent.

14       Q. Do you speak at conferences around the world on  
15    the subject of Internet radio?

16       A. Yes.

17               MR. MARKS: I would like to offer Mr.  
18    Rosin as an expert in consumer survey research and  
19    market research.

20               MR. KLAUS: No objection, Your Honor.

21               CHIEF JUDGE BARNETT: Mr. Rosin is thus  
22    qualified.

23               BY MR. MARKS:

24       Q. Mr. Rosin, did you prepare written rebuttal  
25    testimony in connection with this proceeding?

1 A. I did.

2 Q. I turn your attention to the thin black binder  
3 on your desk. I placed before you what has been  
4 marked for identification as Pandora Exhibit 5021.

5 Do you recognize this document?

6 A. Yes.

7 Q. What is it?

8 A. It is my written rebuttal testimony.

9 Q. And if you could please turn to the last page  
10 of the testimony.

11 Is that your signature?

12 A. Yes.

13 Q. And are the attached figures and appendices the  
14 materials that you reference in your written  
15 testimony?

16 A. Yes.

17 MR. MARKS: I offer Pandora Exhibit 5021  
18 into evidence.

19 MR. KLAUS: No objection, Your Honor.

20 CHIEF JUDGE BARNETT: 5021 is admitted.

21 (Pandora Exhibit No. 5021 was admitted  
22 into evidence.)

23 BY MR. MARKS:

24 Q. Mr. Rosin, did you conduct a survey in  
25 connection with your testimony in this proceeding?

1 A. Yes.

2 Q. Let me turn to the demonstratives that you have  
3 in front of you. They should also be on the screen,  
4 whichever is more convenient for you.

5 Let me start by asking you: What did your  
6 survey try to measure?

7 A. Yeah, so we had two primary goals with our  
8 survey. The first was to test the notion of whether  
9 on-demand audio services and what are called  
10 noninteractive services are a substitute for each  
11 other or if they serve different roles for consumers.

12 The second primary goal was to get a sense for  
13 the willingness of the broad public to pay for access  
14 to different types of digital music services.

15 Q. And would you please describe, in general  
16 terms, the methodology that you used in connection  
17 with this survey?

18 A. Yes. So we did a nationally representative  
19 telephone survey with a sample size of 2,006 people.  
20 The survey was done at the very beginning of this  
21 year. We started in the field on January 2nd through  
22 the 14th of January of this year. The -- it was  
23 sample of -- representative of all Americans ages 13  
24 and older. We dialed both landlines and cell phones  
25 and then the data was weighted at the end to U.S.

1 population statistics for age, gender, race and  
2 region of the country.

3 Q. And are the additional details of your survey  
4 methodology set forth in your report?

5 A. Yes.

6 Q. Let me turn your attention to the next series  
7 of slides which are also the figures that were  
8 attached to your report.

9 What does Figure 1 show?

10 A. So Figure 1 is the result of a rather  
11 straightforward question. We asked respondents, as  
12 we have done in other surveys, how important is it to  
13 you to keep up to date with music, to get a sense for  
14 simply that. How important music is to people.

15 As you can see on the graph, there's 17  
16 percent, a relatively small percentage that said that  
17 music -- keeping up to date with music is very  
18 important to them, somewhat important was 39 percent,  
19 and the largest chunk, 44 percent, said that keeping  
20 up to date with music was not at all important to  
21 them.

22 JUDGE STRICKLER: Excuse me, Counsel,  
23 question. Good morning, Mr. Rosin.

24 THE WITNESS: Good morning.

25 JUDGE STRICKLER: When I read your

1 testimony, I found that question jarring because I  
2 didn't understand why it was relevant at all as to  
3 whether or not people kept up to date with music.  
4 Obviously, I understood their purchasing habits and  
5 their willingness to pay, although it's obviously  
6 pertinent to this proceeding, but whether they keep  
7 up to date with music seems like -- to me anyway, and  
8 maybe you can explain why I might be wrong, an odd  
9 question.

10 THE WITNESS: I'm not sure I consider it  
11 odd. We have over the years tried lots of questions  
12 geared towards how important is music to you, and  
13 this has sort of proven to be over time sort of the  
14 easiest for people to understand, and the one that  
15 seems to work best.

16 For instance, we have tried in the past  
17 this exact same question wording with the word new in  
18 it and actually the numbers dropped very dramatically  
19 in terms of saying very important would be  
20 significantly smaller yet, and we tried how important  
21 is music to your life. We have tried any number of  
22 things. Tried to get a sense just for this. Where  
23 is music in your life. How important is it to you.

24 JUDGE STRICKLER: Keeping up to date might  
25 not necessarily correlate in any way with purchasing

1 habits. I might be very interested in the music of  
2 the '80s and the '90s and have no interest in keeping  
3 up to date whatsoever.

4 THE WITNESS: Right.

5 JUDGE STRICKLER: So this would not be  
6 informative with regard to my purchasing habits. I  
7 might be purchasing strictly '80s and '90s, even  
8 '70s, but nothing before pre-1972.

9 THE WITNESS: Absolutely. And we also ask  
10 other questions that get to that more directly.

11 JUDGE STRICKLER: Do your other questions  
12 -- are your other questions and your -- the  
13 population or the subpopulations of your survey  
14 dependent at all upon how people answer this  
15 question?

16 THE WITNESS: No. We certainly looked at  
17 what each of these three groups said about all the  
18 other questions in the survey, but depend upon,  
19 certainly not.

20 JUDGE STRICKLER: So even if you had never  
21 asked this question, the survey results would be just  
22 as valid as otherwise would have been?

23 THE WITNESS: Oh, absolutely.

24 JUDGE STRICKLER: Thank you.

25 BY MR. MARKS:

1 Q. Let me turn to one of the questions that Judge  
2 Strickler just asked.

3 Did your survey examine music spending habits?

4 A. Yes.

5 Q. And what did it show?

6 A. So you can see in Figure 2 here, again, a  
7 somewhat straightforward question, in the past year,  
8 approximately how much money have you spent  
9 purchasing physical CDs or digital downloads --  
10 digital songs and albums. So this is people's best  
11 estimate.

12 They told us a precise number and we are just  
13 grouping those results here. 45 percent of our  
14 sample said that they had spent nothing on any kind  
15 of music, physical or digital, in the year before the  
16 survey and you can see the percentages. There, 21  
17 percent said between one and 30 dollars and 18  
18 percent said that they had spent more than what would  
19 average out to \$5 a month, \$60 in the year before we  
20 called them on the phone.

21 Q. Does this relate to the observation of the  
22 80/20 rule of thumb that you describe in your report?

23 A. Certainly in a sense. I mean, the music  
24 business is not unlike many other media or  
25 entertainment-oriented businesses where there is a

1 minority of people who are very avid users or  
2 purchasers, in this case, and a larger minority who  
3 don't participate at all in the market or participate  
4 on very light levels.

5 Q. Turning just to the next figure, what does this  
6 next slide show?

7 A. So this Figure 3 here is the answers to a  
8 question and actually, what is across the top, there  
9 is not the full question so I'm going to open up the  
10 questionnaire and read the totality of the question  
11 so that you can hear everything we ask.

12 It is Question 9A in the survey. So the full  
13 question was: "There are paid online music services  
14 that give you on-demand access to a music library.  
15 These services allow you to stream entire albums or  
16 individual songs that you chose. You do not own this  
17 music, but would have access for as long as you are  
18 paying for that service. Some examples of the  
19 services are Spotify, Rhapsody and Rdio. How likely  
20 would you be to pay \$9.99 every month for such an  
21 Internet audio service?"

22 So the graph here -- Figure 3 is the results  
23 and we asked this question not to everybody in the  
24 sample, but to everyone who said they don't already  
25 subscribe to Spotify Premium, so that is actually a



1 little over -- virtually everyone, but it's just a  
2 little over 96 percent of our sample that does not  
3 already tell us that they already subscribe to  
4 Spotify Premium.

5           So here is the percentage of people that -- as  
6 described in that question, and who said that they  
7 were very, somewhat, not at all -- not very or not at  
8 all likely, you can see the overwhelming majority  
9 said not at all likely, 14 percent said not very, and  
10 only three percent said they would be very likely,  
11 with 6 percent somewhat likely, as with the question  
12 posed this way at the \$9.99 price point that was  
13 proposed.

14           We then went on if you --

15       Q. Let me stop you there and ask you one follow-up  
16 question. You mentioned that from the base reflected  
17 in this figure, you had excluded subscribers to  
18 Spotify Premium?

19       A. Right.

20       Q. Did you also exclude subscribers to Rhapsody or  
21 Rdio?

22       A. We did not. They would have been asked this  
23 question but they were extremely a small percentage  
24 of the sample.

25       Q. So in your view, would it have made a

1 difference whether you include them or not?

2 A. No.

3 Q. Did you also do a similar analysis and test  
4 lower price points?

5 A. Yes. So if you go to Figure 4, we asked the  
6 same question but we said suppose the online service  
7 just described, costs \$4.99 a month and this is the  
8 results where we took the people who said very likely  
9 from the previous question and assumed them into the  
10 red, and so into the very likely category.

11 And so very likely now goes up to 7 percent  
12 including the people who said very likely at 4.99  
13 plus the people that already said very likely. And  
14 you still see though that the overwhelming majority  
15 at \$4.99 said they were not at all likely, with  
16 another 15 percent saying not very likely.

17 Q. And did you test an even lower price point?

18 A. Yes. So then we went on and asked about \$2.99.  
19 Again, in this case, anyone who already said very  
20 likely is included in the very likely category, very  
21 likely now goes up to 14 percent of the population  
22 saying they are very likely at \$2.99 combined very --  
23 went up to 30 percent and not at all is still a  
24 majority of people just under 60 percent, 59 percent,  
25 saying they are not at all likely to pay \$2.99 every

1 month for such an Internet audio service.

2 JUDGE STRICKLER: Did you survey with  
3 regard to any other price points that are not  
4 included in the papers that we have here?

5 THE WITNESS: No, these are the only three  
6 price points we have.

7 JUDGE STRICKLER: How did you select those  
8 particular price points?

9 THE WITNESS: The 9.99 was tagged to the  
10 current price of many of the prominent music services  
11 including Spotify and others. And then 4.99 and  
12 2.99, we kept the 99 cents thing just for  
13 consistency's sake, and then we just sort of stepped  
14 down from the 9.99 to other possible prices.

15 JUDGE STRICKLER: You had to make a  
16 decision as to when to stop and you decided to stop  
17 at 2.99?

18 THE WITNESS: Yes.

19 JUDGE STRICKLER: Were you interested in  
20 prices? Did you consider whether or not to ask the  
21 question how likely would you be to take a service if  
22 it was free?

23 THE WITNESS: No. Not that way, no.

24 JUDGE STRICKLER: Thank you.

25 BY MR. MARKS:

1 Q. Did you do a similar set of analyses of the  
2 willingness of active listeners to noninteractive  
3 services to pay for an on-demand service?

4 A. Yes. So Figures 6, 7 and 8 sort of follow the  
5 same pattern and it's the same question and same  
6 information, but it's shown only among people who  
7 told us that they had used Pandora or other  
8 noninteractive online services in the week before we  
9 called them and again, excluding those who said that  
10 they subscribed to Spotify Premium already.

11 So on Figure 6, you see the results from that  
12 subgroup which is actually a little over 40 percent  
13 of the total, so it's still a very large sample size  
14 within the total sample, and you see numbers that are  
15 similar. There is a little bit higher interest, but  
16 numbers that are very similar to what we saw from the  
17 total sample, very likely, still three percent, and  
18 the big chunk of -- still a huge group within this  
19 group of people who listened to noninteractive online  
20 services saying they are not at all likely to  
21 subscribe at the \$9.99 price point.

22 Q. Did you also analyze the impact of lowering the  
23 price point for this subset of respondents?

24 A. Yes. You can see in Figure 7, the results  
25 among the subgroup for the 4.99 price point and you

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1 see there is a little bit more interest than among  
2 the total sample, very likely now up to 9 percent,  
3 combined varying somewhat up to 30 percent but the  
4 majority saying not at all likely, and then you can  
5 go on to Figure 8 and see the results among the  
6 subgroup at the \$2.99 price point.

7 Now varying somewhat likely at up to 42  
8 percent, the still most common answer is 45 percent  
9 for not at all likely at this price point among the  
10 subgroup.

11 Q. Did you also analyze the willingness of  
12 consumers to pay for a subscription to Pandora if the  
13 free version of Pandora were no longer available?

14 A. Yes. That is reflected in Figure 9. Figure 9  
15 was asked to anyone in our sample who said they had  
16 listened to Pandora in the month before that we  
17 called them for their survey, but did not already  
18 subscribe to Pandora One, so we are not already using  
19 Pandora One and we asked the question, as you see,  
20 supposed the free version of Pandora no longer  
21 existed, how likely would you be to pay \$4.99 every  
22 month, and just parenthetically, that is the current  
23 price, to subscribe to Pandora One, the paid service  
24 from Pandora that does not have any advertisements.

25 So you see here that these group of -- this

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1 group of people who are currently using the free  
2 version of Pandora, the clear majority said that they  
3 are not likely to subscribe to Pandora One even if  
4 the free version were eliminated. Only 7 percent  
5 said they'd be very likely, another 15 percent  
6 somewhat likely, and so clearly, if the free version  
7 of Pandora were to no longer exist, the likely  
8 outcome is most people would scatter off looking for  
9 other free options as opposed to paying up for a free  
10 version of Pandora.

11 Q. Let me direct your attention to Figure 10.

12 Could you please explain to the judges what  
13 Figure 10 shows?

14 A. Right. So Figure 10, you see in the headline  
15 there, there is an ellipsis so again, in this case, I  
16 want to read the full question because it was a  
17 little bit more complicated.

18 So this is Question 10 in the questionnaire.

19 And so the full question went: "Now I want to  
20 propose a hypothetical situation. Suppose all free  
21 Internet radio or music services no longer existed.  
22 This means that there would not be a free version of  
23 Pandora or Spotify or any other similar free  
24 services." There would not be FM radio stations  
25 available via streaming -- "and there would not be FM

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1 radio stations available via streaming. I'm going to  
2 read four possible ways you might replace your  
3 listening to free Internet radio music services.  
4 Which of the following would you be most likely to do  
5 instead."

6 And we had four options that were shuffled in  
7 order so you got a random order of the first four,  
8 and then everyone got a fifth option at the end.

9 So the four options were: "Pay a subscription  
10 fee every month using on-demand Internet music  
11 service like Spotify or Rhapsody, listen to free FM  
12 radio on a traditional radio, listen to your CDs and  
13 music downloads, watching your music videos, or  
14 listening to music on YouTube or Vevo," and then  
15 everyone got that -- "or would you just listen to  
16 less music."

17 Of course, people could volunteer another  
18 answer or say they didn't know or just say no answer.  
19 And the graph in Figure 10 is the outcome of that  
20 question and this was asked to anyone who had ever  
21 listened to Internet audio.

22 JUDGE STRICKLER: May I ask you a  
23 question? That part, that base?

24 THE WITNESS: Yes.

25 JUDGE STRICKLER: These individuals who

1 ever listened to Internet or audio.

2 THE WITNESS: Right.

3 JUDGE STRICKLER: So if I was just curious  
4 one time to see how Pandora worked, I went on the  
5 site, tried it, seeded one station, never went back  
6 to it again, I'd qualify for that base because I  
7 listened to Internet audit one time.

8 THE WITNESS: Let me make sure -- the  
9 answer to that question.

10 Yes, so that would be the sum of a few  
11 questions we asked about, have you ever listened to  
12 the stream of an FM radio station or have you ever  
13 listened to an online services that is not a stream  
14 of an FM radio station like Pandora, Spotify or  
15 another similar service.

16 JUDGE STRICKLER: So ever meant one time  
17 or more?

18 THE WITNESS: It could mean one time, yes.

19 JUDGE STRICKLER: Did you consider whether  
20 to change the base so that the base was individuals  
21 who had listened to Internet audio more regularly?

22 THE WITNESS: We certainly did and can get  
23 you that information.

24 JUDGE STRICKLER: When you say you can't,  
25 you did it already and it's not reported or you would



1 have to run a new survey?

2 THE WITNESS: No, no, no. You can look at  
3 any of these questions by further smaller subgroups  
4 if one chooses to.

5 JUDGE STRICKLER: So you do have the data  
6 as to those who responded to the question on Figure  
7 10, broken down by the intensity of their listening?

8 THE WITNESS: It is certainly available,  
9 that information, absolutely.

10 JUDGE STRICKLER: But you didn't think it  
11 was needed to make -- to include in the report?

12 THE WITNESS: Well, this is what we  
13 reported in the report. Again, there is any number  
14 of ways one can look at data subgroups that one can  
15 look at, and I happily can get the Court the  
16 information among any subgroups that the Court might  
17 be interested in.

18 So among everyone who was asked the  
19 question, the people who have listened to Internet  
20 radio, the biggest group said that they would -- you  
21 see in blue, the 34 percent listened to free FM radio  
22 on the traditional radio, the second biggest group in  
23 green on the left said they would listen to their --  
24 chose the option listen to their CDs and music  
25 downloads.

1 Third was the red. 16 percent would watch  
2 music videos or listen to music on YouTube or Vevo.  
3 15 percent chose that last option, they would simply  
4 listen to less music, and 9 percent said they would  
5 pay a subscription fee every month using on-demand  
6 service like Spotify or Rhapsody.

7 So even if every possible free option were  
8 eliminated, only a single digital percentage, 9  
9 percent of this group said that they would be likely  
10 to pay to access a similar kind of service even if  
11 all free options were eliminated. Free Internet  
12 options were eliminated.

13 BY MR. MARKS:

14 Q. Mr. Rosin, why did you chose to present five  
15 options here as opposed to some other larger number  
16 of options?

17 A. You have to keep in mind that this is a  
18 telephone survey, and there are limitations in each  
19 survey, data collection methodology. There is, of  
20 course, any number of ways that someone might replace  
21 the time they were spending with Internet based audio  
22 services if they were to cease to exist.

23 You have to try to sector them down and group  
24 them in a way that people can keep in their head as  
25 the interviewer is administering the survey, so that

1 is why we limited it to these five options.

2 Q. Did your survey measure what time spent  
3 listening to Pandora is replacing?

4 A. Yes. So we asked the question about that, that  
5 is reflected in Figure 11, and so we asked anyone who  
6 said they had listened to Pandora in the month before  
7 we called them and again, I want to read the question  
8 out so it is clear what we asked, so anyone like I  
9 said, who listened to Pandora, we said: "Think  
10 specifically about the time you spend listening to  
11 Pandora. Is the time you spend listening to Pandora  
12 mostly replacing time you spend listening to," and we  
13 offered the following options: "Traditional  
14 over-the-air AM FM radio stations, your CDs and music  
15 downloads, other online music services, or is it new  
16 listening time that is not taken from other sources  
17 of audio listening."

18 People could, again, could volunteer other  
19 responses. If someone said it came from other online  
20 music services, we went on and asked those people  
21 specifically what they said it was. We followed with  
22 what kind of online music service is Pandora mostly  
23 replacing. Is it the online stream of an FM radio  
24 station, another Internet radio service, an on-demand  
25 music service like Spotify or Rhapsody or YouTube or

1 Vevo.

2           So the graph here is the result of the  
3 combination of those two questions, you see, by far,  
4 the biggest grouping, over 46 percent said it was new  
5 listening time not taken from other sources of audio  
6 listening, which is consistent with other findings  
7 about how technology and particularly Smartphone has  
8 sort of expanded the opportunities that people have  
9 to just consume audio in general.

10           After that, 23 percent said it came from  
11 traditional over-the-air broadcast radio stations, a  
12 nice amount said it came from their CDs or music  
13 downloads, 18 percent, and only one percent said that  
14 that time was mostly coming from an on-demand music  
15 service like Spotify or Rhapsody.

16       Q. With regard to the slice that referred to CDs  
17 and music downloads, did the survey test in any way  
18 whether that would be buying new CDs or listening to  
19 CDs or downloads they already have?

20       A. We didn't ask about the providence of the CDs  
21 or downloads that they were replacing their time  
22 with, how they got those CDs or how they got those  
23 music downloads. That was just one of the categories  
24 they could answer.

25       Q. Did you do an analysis similar to the one

1 reflected in Figure 11 which relates to Pandora for  
2 all noninteractive services?

3 A. Yes. So Figure 12 is the same question among  
4 people -- anyone who said that they listened to any  
5 other noninteractive service, for instance, iHeart,  
6 iTunes and others, in the week before they were  
7 called but not Pandora, and you see the results in  
8 Figure 12 are extremely similar to what you saw in  
9 Figure 11. With, in fact, the same 46 percent saying  
10 it was new listening time and similar percentages for  
11 the other items that we saw in Figure 11.

12 Q. What conclusions have you reached in connection  
13 with your work in this proceeding?

14 A. So as you can see on the next page, the primary  
15 conclusions that we came to are -- that the market  
16 for paid on-demand services is a limited market. The  
17 overwhelming majority of consumers telling us they  
18 are not likely to pay \$9.99 for an on-demand service.

19 We also saw that noninteractive services and  
20 on-demand services are not being used by consumers as  
21 close substitutes for each other. In fact, the  
22 majority of subscribers to the on-demand services in  
23 our sample told us they also used noninteractive  
24 services as well.

25 We went on to conclude that very few consumers

1 are telling us that their time spent with  
2 noninteractive services are telling us that that time  
3 is coming from time they haven't spent with on-demand  
4 services and we saw that people -- many people, the  
5 majority of people are essentially freaking --  
6 seeking, sorry. Seeking free, the -- seeking free  
7 services. Excuse me for that.

8 And so that even if all free online services  
9 were eliminated, they would likely switch not to a  
10 paid service but to some other form of free.

11 JUDGE STRICKLER: Counsel. Question for  
12 you, Mr. Rosin. If you look at -- looking at your  
13 testimony, I guess, this is the survey questions  
14 themselves. If you go to Survey Question 7H, it is  
15 on Page 8 of your survey work.

16 THE WITNESS: Yes.

17 JUDGE STRICKLER: I notice that this is  
18 the one you actually put in the figure before, and it  
19 says: "Think specifically about the time you spend  
20 listening to," and it was Pandora in the figure that  
21 you showed, right?

22 THE WITNESS: Yes.

23 JUDGE STRICKLER: Then you had shown the  
24 list of alternative choices that the survey  
25 respondents were provided, correct?

1 THE WITNESS: I'm sorry. I didn't  
2 understand.

3 JUDGE STRICKLER: You have several  
4 different items that were read to the individuals,  
5 what they were doing with their time.

6 THE WITNESS: Exactly.

7 JUDGE STRICKLER: In the other questions,  
8 I saw that you rotated the questions with the  
9 possible answers, rather, all of them, but on this  
10 one, the instruction seems to say rotate Codes 1, 2  
11 and 3.

12 Code 4, which was that 46 percent figure,  
13 if I remember correctly, the answer, new listening  
14 time that is not time taken from other sources of  
15 audio listening, that was Code 4, right?

16 THE WITNESS: Yes.

17 JUDGE STRICKLER: Why wasn't that rotated  
18 too?

19 THE WITNESS: Well, if you look at 6D,  
20 it's structured the same way, where 1, 2 and 3 are  
21 shuffled because 4 always comes fourth. Similar to  
22 6I, it's using the same pattern as each of those, 7D.

23 JUDGE STRICKLER: Right. So I guess it's  
24 my same question for each one. Correct me if I am  
25 wrong, but is it proper survey procedure to always

1 rotate potential answers so there is no bias in the  
2 order in which the alternatives are provided to the  
3 survey respondents?

4 THE WITNESS: In certain cases, that is  
5 the case, as well though in terms of structuring  
6 questions, there is also -- again, keeping in mind it  
7 is a telephone survey, you want to be able to  
8 structure it in a way that, you know, this is a  
9 challenge for people when they are hearing these  
10 options to keep them organized in their head, so this  
11 is a question for them that we've used in the past,  
12 and we found that pinning would be our term for it,  
13 pinning that fourth code at the end increased the  
14 comprehension of the question dramatically, so we  
15 shuffled the first three but always asked the last  
16 one.

17 JUDGE STRICKLER: In survey work, you have  
18 a question or a problem with regard to -- I think you  
19 alluded to, about people keeping things in their  
20 head, it's a retention problem, so if you give people  
21 four different choices such as on 7D, which I think  
22 is the right one -- or 6D, rather, the one that dealt  
23 with Pandora specifically.

24 THE WITNESS: Yes.

25 JUDGE STRICKLER: If you ask people -- and



1 there's a lot of words in those choices.

2 THE WITNESS: Yes.

3 JUDGE STRICKLER: So by the time you get  
4 somebody on the line and you give them the fourth  
5 choice, don't you have a concern generally in the  
6 survey work that they're going to say, oh, yeah, that  
7 one, because they don't really have a good  
8 recollection of the first three, which is why you  
9 rotate among survey respondents so you avoid that  
10 particular bias?

11 THE WITNESS: That is certainly a  
12 potential concern, yes. There is the known effects  
13 of primacy and recency on list-based questions.

14 JUDGE STRICKLER: Were you concerned at  
15 all, when you saw 46 percent, answering that they  
16 were just new listening time, that that might have  
17 been an artifact of not rotating for, rather than  
18 revealing that people suddenly discovered more time  
19 to listen to music?

20 THE WITNESS: It certainly could be a  
21 factor.

22 JUDGE STRICKLER: Thank you.

23 BY MR. MARKS:

24 Q. Are these results on these figures generally  
25 consistent with your work and experience in the field

1 of audio research?

2 A. Yes, especially for telephone surveys.

3 MR. MARKS: I have no further questions.

4 CHIEF JUDGE BARNETT: Mr. Klaus?

5 MR. KLAUS: Yes.

6 CHIEF JUDGE BARNETT: I'm sorry, Mr.

7 Klaus, I just looked at the clock at the urging of  
8 one of my colleagues, so we will take our morning  
9 recess.

10 MR. KLAUS: That's fine, Your Honor.

11 (A short recess was taken.)

12 CHIEF JUDGE BARNETT: Please be seated.

13 Mr. Klaus.

14 MR. KLAUS: Thank you, Your Honor.

15 CHIEF JUDGE BARNETT: Oh, I'm sorry. One  
16 more thing. Before you begin, we have noticed that  
17 Mr. Malone has not been here this week. I don't know  
18 if you are all in touch by your listserv or whatever  
19 the modern term for that is, but I know he had a  
20 witness and I don't know where that witness fits in  
21 your rotation or if anyone has been in touch with  
22 him.

23 MR. LARSON: We have been in touch with  
24 him and we don't have a specific slot for his. I  
25 think he has two witnesses, but we are working with

1 him to try to find where that slot will be in the  
2 rotation.

3 CHIEF JUDGE BARNETT: Okay. Thank you  
4 very much, Mr. Larson.

5 Go ahead, Mr. Klaus.

6 MR. KLAUS: Thank you, Your Honor.

7 CROSS-EXAMINATION BY COUNSEL FOR SOUNDEXCHANGE

8 BY MR. KLAUS:

9 Q. Good morning, Mr. Rosin.

10 A. Good morning.

11 Q. We met briefly in the hallway. My name is  
12 Kelly Klaus. I represent SoundExchange.

13 Mr. Rosin, in response to some of the  
14 judges' questions referred to the fact that some  
15 analyses or slices of the data that you have from  
16 your survey could be done by -- by examining that  
17 data and running programs on them; is that right?

18 A. Yes.

19 Q. Are those are sometimes called cross tabs?

20 A. As an example, yes.

21 Q. Okay. And you -- as part of the discovery in  
22 this proceeding, you produced your data and the  
23 programs that you have used to analyze the program,  
24 correct?

25 A. Yes.

1 MR. KLAUS: And, Your Honors, we have  
2 designated the survey results, the -- the actual data  
3 as SoundExchange Exhibit 2284, and the program that  
4 Mr. Rosin ran and produced as SoundExchange Exhibit  
5 2285. They are not --

6 CHIEF JUDGE BARNETT: Not in the binder?

7 MR. KLAUS: The electronic copies are not  
8 in the binder. They've been produced electronically.  
9 There are printouts of the data, which I think we  
10 would be here for quite some time to go through, but  
11 I would -- at this time, I would just move the data  
12 and the program of Exhibits 2284 and 2285 into  
13 evidence.

14 MR. RICH: One moment, please.

15 MR. MARKS: Your Honor, it's not entirely  
16 clear what exactly that he's proposing to move into  
17 evidence and how it will be useful to anybody if it's  
18 just a piece of software without any attended  
19 testimony.

20 MR. KLAUS: Let me just -- why don't I lay  
21 some foundation and see what we can do.

22 CHIEF JUDGE BARNETT: Okay.

23 BY MR. KLAUS:

24 Q. Mr. Rosin, can you please turn to Exhibit 13 in  
25 your big binder, Tab 13.

1 Are you there?

2 A. Yes.

3 Q. And this is incredibly a couple of hundred --  
4 several hundred pages of data, lots of numbers, lots  
5 of numbers.

6 Does this appear to you to be a printout of  
7 your -- the survey results that you had?

8 A. I have no way of knowing for sure, of course,  
9 but it -- I'll accept your assertion that that's what  
10 this is.

11 Q. Okay. And if one looks at your survey  
12 instrument, and that's both in your small binder and  
13 at Tab 12 of the larger binder, the survey instrument  
14 lists numerical codes to be answered next to every  
15 response, correct?

16 A. Yes.

17 Q. And so the printout of the data would appear to  
18 have -- that you see in Exhibit 2281, which is behind  
19 Tab 13, this is the format that you would expect the  
20 results of your data to -- to appear in if they are  
21 printed out, correct?

22 A. I've never seen it printed out before, so I'll  
23 assume that if you hit "print" that's what comes out.

24 Q. Okay.

25 MR. KLAUS: What I would suggest, Your

1 Honor -- and let me --

2 BY MR. KLAUS:

3 Q. I think you answered this before, but since Mr.  
4 Marks has raised a question, if one were to take your  
5 data and the programs that you used to run them, both  
6 of which were produced, one could, for example, look  
7 at some of the questions that the Court was asking  
8 you about and do a cross tab and come up with a  
9 result, correct?

10 A. Yes.

11 Q. Okay.

12 MR. KLAUS: I would suggest that if Mr. Marks  
13 has any question about the authenticity of what we  
14 have marked as exhibits -- or what we've designated  
15 as Exhibits 2284 and 2285, they could reserve that  
16 and check the electronic files this evening. But  
17 subject to that, we would -- and verify that they are  
18 the programs and the data that were -- that were done  
19 by Mr. Rosin. But subject to that, we would move  
20 their admission into evidence, Your Honor.

21 JUDGE STRICKLER: Were these received by  
22 you in response to a document request?

23 MR. KLAUS: Yes, they were, Your Honor.

24 CHIEF JUDGE BARNETT: Can we confer for  
25 just a moment, please?

1 (A short recess was taken.)

2 CHIEF JUDGE BARNETT: Thank you.

3 Please be seated.

4 Could you give me the numbers again, Mr.

5 Klaus?

6 MR. KLAUS: Yes.

7 SoundExchange Exhibit 2284 and

8 SoundExchange Exhibit 2285.

9 CHIEF JUDGE BARNETT: Okay. 2284 and 2285  
10 are admitted without prejudice to an objection after  
11 Pandora's counsel has had an opportunity to do  
12 whatever it is they want to do with all that mass  
13 data.

14 MR. KLAUS: Thank you, Your Honor.

15 (SoundExchange Exhibit Nos. 2284 and 2285  
16 were admitted into evidence.)

17 BY MR. KLAUS:

18 Q. Mr. Rosin, would you agree, as part of survey  
19 design, that an important part of the survey process  
20 is the creation of questions that accurately measure  
21 the opinions of the public that you are trying to  
22 survey?

23 A. That is certainly a goal that one tries to  
24 achieve, yes.

25 Q. Would you also agree that the choice of words

1 and phrases and the questions you ask is critical in  
2 expressing the meaning and intent of the question?

3 A. Yes.

4 Q. Would you also agree that the choice of words  
5 and phrases and the questions that you ask is  
6 critical in ensuring the respondents interpret the  
7 question the same way?

8 A. Yes.

9 JUDGE STRICKLER: When you say, "interpret  
10 the same way," Counsel, do you mean to ask him the  
11 same way as each other or the same way as the  
12 questioner or someone else?

13 MR. KLAUS: I believe that -- let me ask a  
14 followup.

15 BY MR. KLAUS:

16 Q. I meant it to say that the respondents to the  
17 survey are all on the same page when they are  
18 answering the same question.

19 Is that your understanding of the survey  
20 design?

21 A. That's how I took the question, and yes, that's  
22 how I answered it.

23 JUDGE STRICKLER: Thank you.

24 BY MR. KLAUS:

25 Q. And would you also agree, as a matter of survey



1 design, that even small wording differences have the  
2 potential to substantially affect the answers that  
3 people provide?

4 A. Certainly.

5 Q. And would you also agree that the number and  
6 choices of response options offered, the order of  
7 answer categories can influence how people respond to  
8 what are called "closed-ended questions"?

9 A. Yes.

10 Q. And closed-ended questions, examples of those,  
11 just so we're all on the same page, are questions  
12 like Question Number 10 in your survey or Question  
13 Number 7-H. These are questions where the -- I  
14 believe you were relaying to the Court there are a  
15 number of responses that are provided to the -- to  
16 the respondent and the respondent choose -- is asked  
17 to choose one, correct?

18 A. Yes.

19 Q. And would you also agree that research has  
20 suggested that in telephone surveys respondents more  
21 frequently choose items heard later in the list of  
22 closed-ended questions?

23 A. I -- I know there's a lot of research into  
24 ordering of list items. I'm not sure exactly the way  
25 you asked that is exactly correct, that they tend to

1 choose later items in the lists the way you word it,  
2 you worded your question.

3 Q. Let me ask you, if you would, to turn to Tab 19  
4 in the big binder.

5 A. Yes.

6 Q. And Tab 19 is a printout of the questionnaire  
7 design page from the Pew Research Center. And Pew  
8 Research Center's survey materials, that's one of the  
9 sources that you cited as something you relied on in  
10 your testimony, correct?

11 A. Relied on in --

12 Q. If you look at your written rebuttal  
13 testimony --

14 A. Oh.

15 Q. -- right after -- right before the slides and  
16 after your signature page, I believe you had a list  
17 of exhibits that you had -- or documents you had  
18 relied on.

19 Do you see that?

20 It's in that binder right -- you're on -- I can  
21 see you've got your signature page. If you flip your  
22 signature page you should have --

23 A. Oh.

24 Q. I apologize. My apologies. After the pie  
25 charts and before the survey.

1 A. Yes.

2 Q. Okay. So you're there?

3 A. Yes.

4 Q. And you see you cited the Pew Research Center,  
5 correct?

6 A. Yes.

7 Q. And the Pew Research Center, just for the  
8 record, that's a respected organization in the world  
9 of polling, correct?

10 A. Yes.

11 Q. If you could turn to the fourth page?

12 A. Yes.

13 Q. And do you see at the top it says -- it says  
14 0in the first full paragraph, second sentence,  
15 "Research suggests that in telephone surveys,  
16 respondents more frequently choose items heard later  
17 in a list." And that's the quote, "recency effect."

18 Do you see that?

19 A. Yes.

20 Q. And is that consistent with your understanding  
21 of what research has shown in terms of -- in terms of  
22 what people do with respect to the last question  
23 asked in closed-ended questions?

24 A. Yes.

25 Q. Now, if I could ask you, sir, to -- I'm going

1 to come back to it several times. It's either at Tab  
2 12 or if it's easier for you in the small binder that  
3 Mr. Marks gave you, you're right there with the  
4 instrument, and so I'm going to ask you a few  
5 questions about the instrument.

6 MR. KLAUS: For the panel, the survey  
7 instrument is at Tab 12. The copy that's in your  
8 binder has been designated SoundExchange Exhibit  
9 2280, but because Mr. Marks has already moved into  
10 evidence Mr. Rosin's complete report, including the  
11 instrument, this is already in evidence.

12 CHIEF JUDGE BARNETT: Thank you.

13 BY MR. KLAUS:

14 Q. And if I could ask you, Mr. Rosin, to please  
15 turn to Page 9 of the instrument. You have here your  
16 -- these are your willingness to pay questions,  
17 correct?

18 A. Yes.

19 Q. And your testimony in the demonstratives that  
20 you provided this morning provided diagram charts of  
21 the weighted results of these questions for two  
22 groups of respondents, correct?

23 A. Yes.

24 Q. And this question was asked -- this series of  
25 questions, 9-A to 9-C, was asked of all respondents

1 except those who said they subscribe to Spotify  
2 premium, correct?

3 A. Yes.

4 Q. Now, looking at Figure 6, that was just in  
5 your -- if you can look -- again, I'll try to keep  
6 this easy for us, Mr. Rosin, to minimize the number  
7 of things that you have to reach for. But in the  
8 little demonstrative chart, Figure 6 --

9 A. Yes.

10 Q. -- you -- is it correct you found that 12  
11 percent of people who listened to a noninteractive  
12 service, but do not already subscribe to Spotify  
13 premium, are either very or somewhat likely to pay  
14 for the hypothetical service that you described at  
15 the \$9.99 price point?

16 A. Yes.

17 Q. And those are people -- just so the record is  
18 clear, what's shown in Figure 6 are the responses for  
19 people who currently listen to noninteractive  
20 services, correct?

21 A. Currently it's defined as those who said they  
22 had used it in the week before they were called, yes.

23 Q. And that would include listeners to Pandora who  
24 did not also subscribe to Spotify premium, correct?

25 A. Correct.

1 Q. And is it consistent with your understanding,  
2 Mr. Rosin, that Pandora has somewhere in the  
3 neighborhood of about 80 million active users?

4 A. That's what I have read in -- in reports.

5 Q. Okay. And is that your -- is that generally  
6 your understanding of the size of their active user  
7 base?

8 A. Active in that case, I believe defined as  
9 monthly user base, yes.

10 Q. Okay. And just so we're clear, about 12  
11 percent of just Pandora's active user base, that  
12 would be about 9.6 million people, correct?

13 A. That sounds right, yes.

14 Q. Okay. And you understand that Spotify  
15 currently has fewer subscribers than 9.6 million in  
16 the United States; is that right?

17 A. I don't know exactly how many they have. If  
18 you tell me it's fewer, I'll -- I'll accept that.

19 Q. Do you know one way or the other whether they  
20 have more or fewer than 9.6 million subscribers in  
21 the United States?

22 A. I am not aware that I know how many subscribers  
23 they have in the United States.

24 Q. Okay. And then if we flip the page to Figure  
25 7, it is correct, then, that you conclude that 30

1 percent of people who listen to a noninteractive  
2 service, but do not already subscribe to Spotify  
3 premium, they are very or somewhat likely to pay for  
4 the hypothetical service you describe at the 4.99  
5 level, right?

6 A. That's what that shows, yes.

7 Q. If we flip to Figure 8, the number of users of  
8 noninteractive services who do not already subscribe  
9 to Spotify premium, who are very or somewhat likely  
10 to pay for the hypothetical service at the 2.99 price  
11 point, that number goes to 42 percent, correct?

12 A. Yes.

13 Q. Okay. Now, if I could ask you to turn back to  
14 -- we can put the pie charts away for the moment.  
15 And if I could ask you, Mr. Rosin, to please turn  
16 back to the survey instrument, again, at Page 9. And  
17 I would like to ask to -- I want to focus on the  
18 description of the hypothetical service that you --  
19 that you have used in these questions, 9-A, 9-B, and  
20 9-C.

21 You said that the service had the following  
22 features. One of them was on-demand access to a  
23 music library, correct?

24 A. Yes.

25 Q. And you didn't define what you meant by music

1 library, correct?

2 A. That's all it says, on-demand access to music

3 library, correct.

4 Q. You didn't tell respondents how many songs were  
5 in the music library?

6 A. Correct.

7 Q. You didn't tell respondents what genres of  
8 music were included in the library, correct?

9 A. Correct.

10 Q. You also -- you also told them that the service  
11 would allow them to stream entire albums of  
12 individual songs that they chose, correct?

13 A. Actually, I think you said "of" and it's  
14 "entire albums" or --

15 Q. I'm sorry. You're right.

16 Entire albums or individual songs that they  
17 chose, correct?

18 A. Yes.

19 Q. And you also told them that they did not own  
20 the music but would have access to it for as long as  
21 they were paying for that service, correct?

22 A. Yes.

23 Q. Now, you didn't say anything to respondents  
24 about the availability of playlists, correct?

25 A. Correct.



1 Q. You didn't tell them about the availability of  
2 playlists that might be curated by the service,  
3 correct?

4 A. Correct.

5 Q. You didn't tell them anything about the  
6 availability of playlists that might be curated by  
7 artists or popular pace makers in music, correct?

8 A. Correct.

9 Q. And you're very familiar with the online  
10 streaming space and that the services -- that are  
11 available, correct?

12 A. Yes.

13 Q. That's something you follow pretty closely in  
14 your line of work?

15 A. I certainly try to.

16 Q. Okay. And you know that subscription services  
17 advertise the availability of playlists in the  
18 materials that they market their services to  
19 customers, correct?

20 A. Some do, yes.

21 Q. Okay. And you also didn't tell respondents  
22 anything about the ability of this service to play  
23 on-demand music on mobile, did you?

24 A. Specifically about mobile, no.

25 Q. Okay. And you know that that is -- you know

1 that the subscription services advertise the  
2 availability of on-demand mobile listening in their  
3 marketing materials, right?

4 A. I'll accept your assertion that they do.

5 Q. Okay. Well, if I could ask just to see if --

6 MR. KLAUS: Mr. Nichols, if you could  
7 bring up Demonstrative 1.

8 BY MR. KLAUS:

9 Q. And this is -- this is just taken from the  
10 Spotify Website and their listed features comparing  
11 Spotify free and Spotify premium.

12 Have you seen -- have you seen this page or  
13 something like this page before?

14 A. I saw it in the documents that I was shown  
15 relating to this. I haven't seen it in the wild, if  
16 you will, before.

17 Q. And do you see that one of the features that's  
18 listed here is playing on-demand on mobile?

19 A. The screen is exceptionally hard to read, but I  
20 believe that's the first one, yes.

21 Q. Okay. Thank you.

22 And you didn't tell respondents anything about  
23 whether they would have the ability in this  
24 hypothetical service to listen to music offline, did  
25 you?

1 A. No, correct.

2 Q. And you know that subscription services in the  
3 course of advertising and promoting their products  
4 talk about the availability of online listening,  
5 correct?

6 A. The availability of online listening?

7 Q. Offline listening?

8 A. Offline listening, some do, yes.

9 Q. Okay. And you didn't tell respondents anything  
10 about whether the service would be free of  
11 advertising, correct?

12 A. Correct.

13 Q. Okay. And you know that subscription services  
14 advertise the availability to listen ad-free as a way  
15 to entice people to -- to take a subscription for  
16 their service, right?

17 A. That's one thing people say, yes.

18 Q. And you didn't tell respondents that the  
19 hypothetical service that you described would have  
20 unlimited skips, correct?

21 A. Correct.

22 Q. And you know that subscription services  
23 advertise the availability to make unlimited skips in  
24 their marketing materials, right?

25 A. Some do, yes.

1 Q. Okay. And you didn't tell respondents anything  
2 about the sound quality, the -- the quality of the --  
3 of the audio that they would receive, correct?

4 A. Correct.

5 Q. And you know that subscription services  
6 advertise higher sound quality in their marketing  
7 materials, right?

8 A. Sometimes, yes.

9 Q. Okay. And you didn't tell respondents to your  
10 survey, in describing the hypothetical service,  
11 anything about the ability to play music on their  
12 home audio devices, did you?

13 A. Correct.

14 Q. And that's also something that subscription  
15 services advertise in their marketing materials,  
16 correct?

17 A. Yes.

18 Q. Okay. Now, Questions 9-A and 9-C, which ask  
19 about willingness to pay, they confront the  
20 respondents with specific dollar amounts, correct?

21 A. Correct.

22 Q. Would you agree, Mr. Rosin, that directly  
23 asking survey respondents their willingness to pay a  
24 specific amount for a product or a service has the  
25 risk of serious disadvantages in survey work?

1 A. No.

2 Q. Would you agree that directly asking survey  
3 respondents their willingness to pay for a specific  
4 amount for a product or a service does not reflect  
5 the way the consumers faced purchasing decisions in  
6 the real world?

7 A. Inasmuch as they're on a telephone talking to  
8 an operator as compared to, say, in a supermarket,  
9 making a choice at a supermarket, if you're asking in  
10 that sense, obviously, that's different. But I'm --  
11 they are very much in the real world when they are  
12 taking the survey. So I guess it depends on your  
13 definition of the real world.

14 Q. Well, I'm asking your definition of the real  
15 world. Do you think that -- do you -- do you believe  
16 that confronting survey respondents with a specific  
17 price point is similar to the way that they will  
18 confront purchasing decisions and the choices that  
19 have to be made in the real world?

20 A. Obviously, there is a lot that goes into  
21 purchase decisions and obviously a survey has  
22 limitations in terms of precisely nailing a number,  
23 if you will, in terms of how many people will do  
24 things, but you use these as directional indications  
25 of -- of how people might respond.

1 Q. Would you agree that survey respondents often  
2 overstate their price sensitivity when they're asked  
3 directly about their willingness to pay a specific  
4 amount for a product or a service?

5 A. I'm not familiar with specific -- I -- I don't  
6 recall specific literature on -- on that.

7 Q. And asking respondents about their willingness  
8 to pay specific dollar amounts, is that something  
9 that Edison Research typically does in its online  
10 radio surveys?

11 A. We have asked similar questions in the past,  
12 yes.

13 Q. Okay. Is it something that you've done in any  
14 recent versions of the infinite dial reports that you  
15 described?

16 A. I don't recall off the top of my head. We do a  
17 lot of surveys and I forget if we have asked the  
18 question like this in the past or not.

19 Q. Okay. I would like to ask you, sir, if you  
20 would, to turn to Tab 8 of your bind -- the large  
21 binder.

22 JUDGE STRICKLER: Before you do that --

23 MR. KLAUS: Yes?

24 JUDGE STRICKLER: -- let me ask a  
25 question.

1           This is -- this is your written rebuttal  
2 testimony, so you were rebutting particular testimony  
3 and positions that you had read in the direct  
4 testimony by SoundExchange's witnesses, correct?

5           THE WITNESS: Yes.

6           JUDGE STRICKLER: In fact, you say that on  
7 Page 3 when you discuss your assignment and you say  
8 you're responding, quote, "to certain assertions made  
9 by certain SoundExchange witnesses in the testimony  
10 provided as part of SoundExchange's direct case in  
11 this proceeding," closed quote, right?

12          THE WITNESS: Yes.

13          JUDGE STRICKLER: Is one of those  
14 witnesses Professor McFadden?

15          THE WITNESS: No.

16          JUDGE STRICKLER: Have you read Professor  
17 McFadden testimony?

18          THE WITNESS: No.

19          JUDGE STRICKLER: Are you familiar with  
20 the -- with the -- what's known as the conjoint  
21 survey or conjoint study?

22          THE WITNESS: I would call it a conjoint  
23 analysis, perhaps, but yes.

24          JUDGE STRICKLER: So your testimony was  
25 not designed to respond to any conjoint analysis that

1 was submitted by SoundExchange in this proceeding?

2 THE WITNESS: Correct.

3 JUDGE STRICKLER: Thank you.

4 BY MR. KLAUS:

5 Q. Behind Tab 8, there's a document that's marked  
6 SoundExchange Exhibit 2276. It's an Arbitron Edison  
7 Media Research entitled "Internet 8."

8 Do you see that?

9 A. Yes.

10 Q. And is this a -- is this is a report that  
11 you -- you authored in conjunction with Arbitron  
12 Webcast services in or around 2002?

13 A. Yes.

14 Q. Okay. And just for curiosity, I'll ask, are  
15 the Internet 8, Internet 9, are those the  
16 forerunners? Are those part of the same series that  
17 ultimately became Infinite Dial?

18 A. Yes.

19 Q. Okay.

20 A. The name changed over time.

21 Q. Got it.

22 MR. KLAUS: We would move the admission of  
23 Exhibit 2276, Your Honor.

24 MR. MARKS: Your Honor, we -- we object.

25 We don't have any objection if he wants to use this



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1 for impeachment, but this is a document that was not  
2 on their exhibit list. They served, last night,  
3 their 12th amended exhibit list. This is a document  
4 that, I believe, was not in anybody's production. We  
5 didn't get it at the agreed-upon deadline for the  
6 exchange. So if he wants to use it for impeachment,  
7 that's fine, but we don't think it's appropriate for  
8 them to be adding so many exhibits at the 25th hour.

9 MR. KLAUS: Your Honor, both sides in this  
10 case have added many exhibits to the exhibit list,  
11 and if that's going to be the rule that there are no  
12 more -- this is a publicly-available document. It's  
13 a part of the series that the witness authored.

14 CHIEF JUDGE BARNETT: Would you answer are  
15 you intending to introduce this for truth of the  
16 matter asserted as a new exhibit or is this for  
17 impeachment?

18 MR. KLAUS: I am -- I am, actually, just  
19 intending to ask him what his findings were in his  
20 prior survey work.

21 CHIEF JUDGE BARNETT: A survey done in  
22 2002?

23 MR. KLAUS: That's one, yeah.

24 CHIEF JUDGE BARNETT: Sustained.

25 MR. KLAUS: Okay.

1 BY MR. KLAUS:

2 Q. So let me ask you this. You said that you had  
3 asked willingness to pay questions, correct?

4 A. In other surveys?

5 Q. In other surveys?

6 A. Yes.

7 Q. And did you ask a willingness to pay question  
8 in the document that's been marked as Exhibit 2276?

9 A. This study from 2002?

10 Q. Yes.

11 A. I would have to look. I -- I certainly don't  
12 recall.

13 Q. Okay. If I could ask you, then, to turn, sir,  
14 to Page 19?

15 CHIEF JUDGE BARNETT: It's refreshing  
16 recollection, Mr. Marks.

17 MR. KLAUS: Thank you, Your Honor.

18 THE WITNESS: Yes.

19 BY MR. KLAUS:

20 Q. And this was -- one of the questions that was  
21 asked is reflected in the top chart here was: "Would  
22 you be willing to pay a small fee to listen to  
23 content provided by the online station or channel you  
24 listen to most?"

25 Do you see that?

1 A. Yes.

2 Q. Okay. And you didn't, in this survey, ask a  
3 specific dollar amount that someone would be willing  
4 to pay, correct?

5 A. It appears we just said what you just said,  
6 would you be willing to pay a small fee.

7 Q. Okay. And if you would look at Exhibit 227,  
8 which is Tab Number 9, so this is SoundExchange  
9 Exhibit 2277.

10 MR. KLAUS: Your Honor, we would move the  
11 admission of it. I am quite certain that the same  
12 objection will be coming from my friend, Mr. Marks,  
13 and I would expect the same ruling, as well. But I  
14 could use it to refresh recollection here.

15 CHIEF JUDGE BARNETT: You can use it to  
16 refresh recollection.

17 MR. KLAUS: Okay.

18 CHIEF JUDGE BARNETT: So -- but you have  
19 to have a question to which he does not recall the  
20 answer to --

21 MR. KLAUS: Okay.

22 CHIEF JUDGE BARNETT: -- before you can  
23 refresh recollection.

24 MR. KLAUS: I will, then. I just wanted  
25 to make sure our -- our request to admit it was --

1 that the objection to it was sustained.

2 CHIEF JUDGE BARNETT: As long as the  
3 circumstances are the same; it was produced last  
4 night and it's from some prior year, presumably,  
5 2003.

6 MR. KLAUS: 2002.

7 CHIEF JUDGE BARNETT: Oh, also from 2002?

8 MR. KLAUS: Yes.

9 CHIEF JUDGE BARNETT: Okay.

10 MR. MARKS: Same objection, Your Honor.

11 CHIEF JUDGE BARNETT: Those objections  
12 would be sustained.

13 BY MR. KLAUS:

14 Q. Do you recall, Mr. Rosin, that you did a later  
15 version of the -- of what was, at that time, called  
16 the Internet survey sometime in 2002?

17 A. Yeah, I believe we did two studies that year.

18 Q. Okay. And did you also ask respondents in that  
19 survey about their willingness to pay to an online  
20 streaming service?

21 A. I do not recall.

22 Q. Okay. Then if I could ask if I could direct  
23 your attention, then, to Pages 20 and 21. And do you  
24 see at the bottom that in that -- that in that survey  
25 the question that you asked was the percentage of

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1 respondents who were willing to pay a small fee to  
2 listen to content provided by an online station or  
3 channel listened to the most?

4 A. Yes.

5 Q. And is that consistent with your recollection  
6 that that survey that you did not ask a specific  
7 dollar amount to the respondents?

8 A. Not in this question. I -- I would have to  
9 check if we did elsewhere in the survey.

10 Q. Okay. But you're not -- you're not recalling  
11 anyplace where you asked them in that survey,  
12 correct?

13 A. Correct.

14 Q. If I could ask you, please, sir, to turn to --  
15 back to the survey instrument and --

16 JUDGE FEDER: Which tab?

17 MR. KLAUS: This is Tab 12, Your Honor.

18 JUDGE FEDER: Thank you.

19 MR. KLAUS: My apologies.

20 BY MR. KLAUS:

21 Q. Do you have it, Mr. Rosin?

22 A. Yes.

23 Q. Question -- on the first page, Question A-1,  
24 you asked each respondent to report their exact age,  
25 correct?

1 A. Yes.

2 Q. And if the respondents refused to provide their  
3 age, they were asked in Question A-2 to provide their  
4 age within a range of years, correct?

5 A. Yes.

6 Q. And if the respondents wouldn't provide their  
7 age within that range, the survey was terminated for  
8 that respondent, correct?

9 A. Yes.

10 Q. And your data, your underlying dataset record  
11 the specific age range within which each survey  
12 respondent falls, correct?

13 A. The ones who completed the survey?

14 Q. Yes.

15 A. Yes.

16 Q. Okay. Now, the results that you report in your  
17 testimony and the figures that you presented, you  
18 don't break any of those results apart by age group,  
19 do you?

20 A. In my testimony, no.

21 Q. Okay. And that's an example -- breaking those  
22 apart by age group is one of the things that could be  
23 done by somebody running your program against the  
24 data to see how they split apart in age groups,  
25 correct?

1 A. Yes.

2 Q. Now, you would agree that when you ask  
3 questions about the usage of streaming services, the  
4 results that you have seen over time tend to show  
5 higher usage among people who are in the age range of  
6 13 to about 34 than for older groups, correct?

7 A. Yes.

8 Q. Okay. And that's something that -- that --  
9 you've tracked those sorts of differences in age  
10 groups in your Infinite Dial reports, correct?

11 A. Yes.

12 Q. And you have spoken about that publicly about  
13 the significance of the -- the age breakdown and the  
14 importance of that -- that consumer base of 13 to  
15 34-year-olds, correct?

16 A. Yes.

17 Q. And it's fair to say that for the people who  
18 operate online streaming services, the Pandoras, the  
19 iHearts, others in the world, that 13 to 34-year-old  
20 group, it's your understanding that's a very  
21 important group for them, correct?

22 A. I would assume all customers are important to  
23 them, but it's -- 13 to 34 is a big percentage of the  
24 population and that, obviously, is a sizable  
25 percentage of their customer base; so, of course, it

1 is important.

2 Q. And these are the people who -- particularly in  
3 the younger ages, they are adopting that way of  
4 listening now, correct, as they are coming of age?

5 A. They've been, yes.

6 Q. Okay. And that is -- that group, that 13 to 34  
7 group and the people who replace them, that's  
8 literally the future of online radio, correct? Fair  
9 to say?

10 A. I mostly deal with it today of online radio,  
11 but presuming that they're still here tomorrow,  
12 they're likely to be the future, as well.

13 Q. Okay. And in your Infinite Dial surveys that  
14 you've done previously, you break down rates of usage  
15 and other matters by age group, correct?

16 A. Yes.

17 Q. So if we could take a look, for example, at --  
18 behind Tab Number 2 in the big binder, this is the --  
19 this is your 2011 survey, correct?

20 A. Yes.

21 Q. And, for example -- and this is --

22 MR. KLAUS: Your Honor, we would move the  
23 admission of SoundExchange Exhibit 1735.

24 MR. MARKS: No objection.

25 CHIEF JUDGE BARNETT: 1735 is admitted.



1 (SoundExchange Exhibit No. 1735 was  
2 admitted into evidence.)

3 BY MR. KLAUS:

4 Q. And if you look, for example, Mr. Rosin, at  
5 Page 25 --

6 A. Yes.

7 Q. -- you show that -- you show a breakdown by age  
8 splits of Pandora users on a weekly basis, correct?

9 A. Yes.

10 Q. And you show that in this that the group  
11 between 25 and 34 is the highest with 23 percent  
12 usage on a weekly basis followed by 16 percent of 18  
13 to 24-year-olds, correct?

14 A. As of that time in 2011, yes.

15 Q. Okay. And it's your recollection, sir, that in  
16 succeeding Infinite Dial reports, you've continued to  
17 present breakdowns of usage by age, correct?

18 A. Yeah. Honestly, I don't know that we've used  
19 all these in every one, but we've certainly looked at  
20 things by age groups in succeeding studies.

21 Q. So, for example, if we could turn to Tab 3 in  
22 your binder, which is SoundExchange 2267, and if you  
23 could flip to Page 10.

24 A. (Witness complies.)

25 Yes.

1 Q. You see, for example, that on Page 10 you've  
2 given an age breakdown of monthly online radio  
3 listening showing the highest concentration in the 12  
4 to 24 group?

5 A. Yes.

6 Q. 77 percent, correct?

7 A. Yes.

8 Q. And, then, if you flip to Page 12, Edison also  
9 reported that weekly online radio listening was most  
10 heavily concentrated at 69 percent in the 12 to 24  
11 age group?

12 A. Yes.

13 Q. And, again, this is your most recent Infinite  
14 Dial report, correct, 2015?

15 A. Yes.

16 Q. Okay.

17 MR. KLAUS: We'd move the admission, Your  
18 Honor, of SoundExchange Exhibit 2267.

19 MR. MARKS: No objection, Your Honor.

20 CHIEF JUDGE BARNETT: 2267 is admitted.

21 (SoundExchange Exhibit No. 2267 was  
22 admitted into evidence.)

23 BY MR. KLAUS:

24 Q. And behind Tab Number 4, Mr. Rosin, we have  
25 your -- we have what's been marked as SoundExchange

1 Exhibit 2271, which is the Infinite Dial report from  
2 2014.

3 Does that appear to you to be a copy of that?

4 A. Yes.

5 MR. KLAUS: We'd move the admission of  
6 that, Your Honor.

7 MR. MARKS: Your Honor, this document is  
8 already in evidence as Exhibit Pandora 5289. It was  
9 admitted during the testimony of Dr. Blackburn.

10 MR. KLAUS: My apologies for the  
11 oversight, Your Honor. If it's already in evidence,  
12 I won't bother admitting this copy.

13 JUDGE STRICKLER: Do you want to call our  
14 attention to any particular page in this document?

15 MR. KLAUS: Yes, I did.

16 BY MR. KLAUS:

17 Q. Exhibit -- Page 19, Mr. Rosin -- actually, the  
18 slide before that is Page 18. And Page 18 reports  
19 the breakdown by age splits of people who listen to  
20 various services within the last month.

21 Do you see that?

22 A. Yes.

23 Q. And what you found was that among Pandora users  
24 55 percent of people age 12 to 24 had listened to  
25 Pandora within the last month; is that right?

1 A. Yes. This is as of 20 -- this is as of 2014,  
2 yes.

3 Q. 2014.

4 And if we looked at Tab 20, we would see a  
5 similar -- or we would see a split by age group on  
6 the week -- the weekly basis, correct, Slide 20?

7 A. You said Tab 10, Slide 20?

8 Q. Slide 20. My apologies.

9 A. Yes.

10 Q. And if we look, Mr. Rosin, behind Tab 5 --

11 A. Yes.

12 Q. -- Exhibit 2273 is your Infinite Dial report  
13 for 2012, correct?

14 A. Yes.

15 MR. KLAUS: We'd move the admission of  
16 Exhibit 2273, Your Honor.

17 MR. MARKS: Your Honor, this is not clear  
18 how this relates to either his -- seems beyond the  
19 scope and it's getting cumulative in terms of what  
20 these exhibits relate to. I'm not sure what the  
21 purpose is to making them exhibits.

22 CHIEF JUDGE BARNETT: The objection is  
23 relevance?

24 MR. MARKS: Yes.

25 CHIEF JUDGE BARNETT: Thank you.

1 Response?

2 MR. KLAUS: Yes. One of the things that  
3 was -- one of the things that's been stated in  
4 proffering Mr. Rosin as an expert and the foundation  
5 for his testimony is what he's done in his previous  
6 Infinite Dial reports. And, in fact, in response to  
7 one of the Court's questions, one of the things that  
8 Mr. Rosin talked about was saying that there were  
9 other types of questions with a similar nature that  
10 he's asked in his Infinite Dial reports in preceding  
11 years. So we think that it's -- it's squarely  
12 relevant to his testimony.

13 CHIEF JUDGE BARNETT: Are you going to  
14 show us something in this particular document to make  
15 it appear relevant to us, or are you going to leave  
16 it to us to look through it all and try to determine  
17 what you think is relevant?

18 MR. KLAUS: I could ask Your Honor the  
19 question -- I could ask Your Honor, once again, the  
20 questions about the split and age groups that are  
21 reported in these surveys. To save time, it would  
22 basically be the same for all of these Infinite Dial  
23 reports.

24 JUDGE STRICKLER: And by the same, you  
25 mean -- you're referring to the age with the age

1 splits?

2 MR. KLAUS: That's in age, correct.

3 CHIEF JUDGE BARNETT: And why is this not  
4 cumulative?

5 MR. KLAUS: It's simply showing that this  
6 is some -- it's -- it's showing something that Edison  
7 Research has consistently done over the years, is to  
8 report by age -- by age groups, Your Honor.

9 CHIEF JUDGE BARNETT: You can probably  
10 just ask that question, couldn't you?

11 MR. KLAUS: I would be -- I would be happy  
12 to, Your Honor, although I don't see the -- the  
13 prejudice to the other side in terms of the document  
14 coming in.

15 CHIEF JUDGE BARNETT: It's just  
16 cumulative. 2273 is refused.

17 MR. KLAUS: Is -- I'm sorry?

18 CHIEF JUDGE BARNETT: Refused.

19 MR. KLAUS: Okay.

20 BY MR. KLAUS:

21 Q. Is it correct, Mr. Rosin, that you have,  
22 through the Infinite Dial reports over the last  
23 number of years, done age split reports based on --  
24 with questions relating to usage?

25 A. Yes.

1 Q. Okay. Now, you didn't do a similar age range  
2 breakout of the responses to Questions 9-A through  
3 9-C in your survey, did you?

4 A. It was not part of my -- my documents that I  
5 presented today; but, of course, we have that  
6 information and can look at that information.

7 Q. And we could look at that information, too, by  
8 looking at the data in the program that you produced  
9 and see what the age splits are for responses to  
10 questions 9-A through 9-C, right?

11 A. Yes.

12 Q. And we could do that, in fact, for any of the  
13 questions that you asked, correct?

14 A. Correct.

15 JUDGE STRICKLER: If someone, you or  
16 someone else were to look at these results with  
17 regard to the age split, how, if at all, would your  
18 margin of error and confidence intervals change?

19 You mentioned them on Page 7 of your  
20 rebuttal testimony that with regard to the total  
21 sample, without -- with the age splits, you have the  
22 margin of error within -- quoting now from you, "a 95  
23 percent confidence interval for results among the  
24 entire sample, which is plus or minimum 2 percent"?

25 THE WITNESS: Correct.

1 JUDGE STRICKLER: First of all, would that  
2 differ when you did the subgroup?

3 THE WITNESS: Yeah. Every time you chose  
4 a smaller group for analysis, the margin there would  
5 increase, but I can't tell you specifically what it  
6 would be for any given group. It would have to be  
7 calculated.

8 JUDGE STRICKLER: And that particular  
9 calculation, as far as you know, is or is not in the  
10 underlying data regarding your survey?

11 THE WITNESS: By underlying means --

12 JUDGE STRICKLER: You said you couldn't  
13 calculate it. I understand you couldn't calculate it  
14 now, sitting here.

15 THE WITNESS: Sure.

16 JUDGE STRICKLER: Was it calculated and  
17 included in the data that you provided -- that your  
18 clients provided in discovery in this case?

19 THE WITNESS: I do not believe a margin of  
20 error calculation was part of what was turned over;  
21 but, obviously, it could be calculated.

22 JUDGE STRICKLER: Could it be calculated  
23 from the data that was turned over?

24 THE WITNESS: Yes.

25 JUDGE STRICKLER: Okay.



1 BY MR. KLAUS:

2 Q. Mr. Rosin, I would like to turn to your  
3 conclusion, which was stated on the last slide that  
4 Mr. Marks showed you, that even if free  
5 noninteractive services ceased to exist, few  
6 consumers would switch to a paid on-demand service.  
7 Most would go to other free options or listen to less  
8 music.

9 Do you recall that conclusion?

10 A. Yes.

11 Q. And that conclusion derives from the response  
12 that respondents gave to Question 10 in your survey,  
13 correct?

14 A. Question 10?

15 Yes, 10.

16 Q. And that was the final substantive question  
17 asked of respondents in the survey, correct?

18 A. If there was a question about SiriusXM usage  
19 after that and then some demographic questions.

20 Q. Got it. Okay.

21 Be before the SiriusXM question, that was the  
22 last substantive question?

23 A. Yes.

24 Q. And just a couple of questions on the wording  
25 and the -- the choices here. One of the things that

1 you said in the second line, and I understand that  
2 this wasn't always the second option that was read to  
3 respondents --

4 JUDGE STRICKLER: Which question?

5 MR. KLAUS: Yes, Your Honor.

6 It's Question Number 10 on Page 10 of the  
7 survey instrument, which is at Tab 12 of your bind --  
8 of the larger binder.

9 JUDGE STRICKLER: Thank you.

10 The question, I'm sorry?

11 MR. KLAUS: 10 at the top of Page 10.

12 JUDGE STRICKLER: Thank you.

13 MR. KLAUS: Yes, of course.

14 BY MR. KLAUS:

15 Q. Are you there at that question, those  
16 responses, Mr. Rosin?

17 A. Yes.

18 Q. The second item that's listed here says:  
19 "Listen to free FM radio on a traditional radio."

20 Do you see that?

21 A. Yes.

22 Q. Why did you include the word "free" before FM  
23 radio and traditional radio in this response?

24 A. I don't recall. I don't recall.

25 Q. Okay. When you previously -- like, for

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1 example, Question 7-H, which is at the top of Page 8,  
2 you have one of the response categories there and  
3 here it appears on the top line. It says:  
4 "Traditional over-the-air AM/FM radio stations."

5 Do you see that?

6 A. Yes.

7 Q. And you didn't use the word "free" there, did  
8 you?

9 A. Correct.

10 Q. And one -- among the options that you gave  
11 respondents in Question Number 10, among the five  
12 options that were read to them, they weren't given  
13 the option of purchasing new music, right?

14 A. As what they would do instead is purchase new  
15 music?

16 Q. Correct?

17 A. Right. The options there are the ones listed.

18 Q. Okay. And you didn't ask them whether one of  
19 the things that they would do would be to buy new  
20 permanent downloads, did you?

21 A. Correct.

22 Q. You didn't ask them whether they would in a  
23 world without any free online service, whether they  
24 would buy new CDs, did you?

25 A. We asked if they would listen to -- to their

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1 CDs, but not if they would buy new ones, correct.

2 Q. Okay. And in the hypothetical world that you  
3 have described in Question Number 10, based on your  
4 experience and your knowledge about the music  
5 industry and people's listening habits, you don't  
6 think that consumers are going to stop buying --  
7 would stop buying CDs or permanent downloads in a  
8 world where there were no free services, do you?

9 A. Stop buying because there's no free --

10 Q. Not because.

11 You don't think that in a -- you don't think  
12 that in a world in which there are no free online  
13 services, consumers would stop buying permanent  
14 downloads or CDs, do you?

15 A. As long as they were available for purchase, I  
16 would assume some people would buy them.

17 Q. And your study, Mr. -- just a couple of final  
18 questions, Mr. Rosin.

19 You didn't ask any -- you didn't ask any  
20 respondents to consider what they -- what their  
21 willingness to do -- what their willingness to pay or  
22 what their willingness to subscribe to might be as a  
23 result of trying the free or Freemium version of a  
24 subscription service like Pandora, did you?

25 A. Well, yeah. I'm not sure I understand your

1 question.

2 Q. It's a bad question. Let me ask it again.

3 A. Okay.

4 Q. You didn't give respondents any questions about  
5 the likelihood of subscribing to a service as the  
6 result of trying the Freemium version of a paid  
7 service, correct?

8 A. In the case of Pandora, we did, and I presented  
9 that as one of my items. It was -- it was Figure 9.  
10 The -- it was presented as a hypothetical that if the  
11 free services were eliminated, but I believe that  
12 gets to what you're asking about.

13 Q. You didn't ask anybody questions of what they  
14 would do with respect to the payment for what is  
15 called interact -- what we have -- been referred to  
16 here as interactive or on-demand services, did you?

17 A. Correct.

18 Q. And you didn't -- you didn't study what people  
19 would do in terms of subscribing to a paid service if  
20 they -- if there said to be ad load on their existing  
21 service increased, did you?

22 A. Correct.

23 Q. You didn't study what people would do in terms  
24 of subscribing to a paid service if there was a cap  
25 that was placed on the number of hours that they

1 listened, did you?

2 A. I -- correct, I didn't.

3 Q. Okay. And you didn't study, in any way, what  
4 people would do if -- in response to -- strike that.

5 Let me ask a different question. I just want  
6 to focus on your bottom line conclusion. On Slide  
7 Number -- Figure 10, do you have that pie chart in  
8 front of you?

9 A. Yes.

10 Q. And I want to ask, based on your knowledge and  
11 experience about the industry, Mr. Rosin, do you  
12 actually think that in a world without free Internet  
13 radio 58 percent of people who had listened to online  
14 streaming services would simply go back to listening  
15 to FM terrestrial radio or their existing music  
16 collections?

17 A. If you're saying as opposed to 57 or 59, no.  
18 If you're saying that most people -- and I'll risk  
19 Reverend Spooner visiting me again -- will seek free  
20 options, the options are already paid for in one of  
21 those two cases, yes, that's -- that is what I  
22 believe.

23 Q. You know, you said previously, sir, that users  
24 of online radio are getting more habituated to it and  
25 it's becoming a more regular part of their lives?

1 A. I don't recall.

2 Q. If you look at Tab Number 21 of your binder...

3 A. One sec.

4 Q. Sure.

5 Are you there, Mr. Rosin?

6 A. Yes.

7 Q. And is Tab Number 21 a story that you wrote on  
8 or about March 5th, 2015 for radio and Internet news  
9 called the "Online Audio Habit"?

10 A. Yes.

11 Q. And this is something you wrote after you  
12 released the 2015 Infinite Dial survey?

13 A. Yes.

14 Q. And do you see that on the second page you  
15 wrote, after reporting the growth in monthly and  
16 weekly numbers of online streaming listening and the  
17 conversion between the two, you wrote there's a  
18 significant story here. You said: "Note the numbers  
19 in the right most column are growing. Over time, the  
20 weekly percentage is getting closer and closer to the  
21 monthly number. This means that users of the  
22 technology are getting more habituated to it and that  
23 it is becoming a more regular part of people's  
24 lives."

25 You said that, right?

1 A. Yes.

2 Q. And you believe that, right?

3 A. Yes.

4 Q. Okay.

5 MR. KLAUS: I have no further questions,  
6 Your Honor.

7 JUDGE STRICKLER: Following up on that  
8 last question, Counsel in his question made reference  
9 to look at it on the screen here. You wrote about  
10 the growth of monthly and weekly numbers of streaming  
11 and the conversion between the two. And I see in the  
12 upper right-hand column on that last page of Tab 21,  
13 there's a weekly monthly conversion.

14 What did you mean by conversion on that  
15 document?

16 THE WITNESS: In that sentence, I'm simply  
17 dividing the weekly number into the monthly number.

18 JUDGE STRICKLER: So it's a conversion of  
19 what to what?

20 THE WITNESS: Of what percentage of  
21 monthly listeners are weekly listeners.

22 JUDGE STRICKLER: Okay. I see that.

23 Another question for you with regard to  
24 Figure 10. And, actually, it's really about the  
25 choices that were given. So it is merely talking



1 about if you turn to your cross book binder, Tab 12  
2 in that, and it's Question 10, the choices that you  
3 gave.

4 THE WITNESS: Yes.

5 JUDGE STRICKLER: The first choice that is  
6 listed here is pay a subscription fee every month  
7 using on-demand music services.

8 Were you concerned, at all, that when you  
9 used the word "every month," that it has sort of an  
10 indefinite nature to it and that that said it is that  
11 is a ball and chain every month as opposed to  
12 changing the wording to paying monthly subscription,  
13 cancellable monthly subscription?

14 In other words, do you think it biases the  
15 survey in some way by not informing the respondent  
16 that they can cancel if they want?

17 THE WITNESS: I'm not sure it's a biased;  
18 however, as already discussed, you change -- if you  
19 change -- even small changes sometimes in wording can  
20 change the results of questions. My sense is  
21 changing every month to monthly would not make a big  
22 difference if we added cancellable. I don't know  
23 that that would necessarily make a big difference,  
24 but it probably would have made some difference in  
25 it.

1 JUDGE STRICKLER: As I -- I know if I'm  
2 joining a gym and they tell me what the monthly fee  
3 is one of the questions I will always ask is can I  
4 cancel, when can I cancel --

5 THE WITNESS: Sure.

6 JUDGE STRICKLER: -- what's the penalty.  
7 So, I mean, telling me there's a monthly fee, I want  
8 to know if it's in perpetuity or what my cancellation  
9 options are.

10 Do you sometimes -- in your experience,  
11 have you ever drafted questions and -- and made  
12 certain in a similar type of situation that -- that  
13 any type of fee that's proposed as a hypothetical has  
14 a cancellation provision attached to it?

15 THE WITNESS: Yeah. I mean, it was  
16 certainly implied in the previous question, Question  
17 9-A where we said if you look on the third line of  
18 the question, "for as long as you're paying for that  
19 service." So -- and everyone hearing that question  
20 would have already heard this question.

21 So I'm not saying that your assertion that  
22 had we added the word "cancellable," it wouldn't  
23 possibly have changed the results, but we had  
24 already, for instance, in that question, implied the  
25 for as long as part, which I think speaks to what

1 you're asking about with regard to cancel --  
2 cancellableness [sic] -- to make up a word --

3 JUDGE STRICKLER: Coining phrases?

4 THE WITNESS: Yes.

5 MR. KLAUS: May I ask a follow-up  
6 question, Your Honor, on that?

7 CHIEF JUDGE BARNETT: Yes, please.

8 BY MR. KLAUS:

9 Q. Mr. Rosin, you didn't run a pretest or a pilot  
10 of this survey, did you?

11 A. We pretested -- many of the questions we've  
12 asked in other surveys before so they had already  
13 gone through that process. We pretested the couple  
14 of questions that were new against people in our  
15 office and people that we typically call to ask about  
16 their level of comprehension of questions, plus we  
17 monitor the beginning of the survey of one or several  
18 of our employees listen in as surveys are going on to  
19 check for comprehension, and then on top of that we  
20 work very closely with our phone room partners and  
21 they inform us if there's problems with the survey.

22 MR. KLAUS: May I approach the witness,  
23 Your Honor?

24 CHIEF JUDGE BARNETT: You may.

25 BY MR. KLAUS:

1 Q. Mr. Rosin, I have handed you a letter that's  
2 dated March 5, 2015. It's from Mr. Larson to one of  
3 my colleagues, Jennifer Bryant.

4 And just following up on that, do you see -- we  
5 had -- you -- you're aware that we asked for  
6 materials from you and Edison as part of the  
7 discovery process here, correct?

8 A. Uh-huh.

9 Q. You're aware of that, yes?

10 A. Yes. Sorry.

11 Q. Okay. And if you could turn to Page 2, you'll  
12 see that one of the things that we were told by  
13 Pandora's counsel in response to their several bullet  
14 points that relate to the request relating to you,  
15 one of the things that we had asked for were all  
16 pilot or pretest materials.

17 Do you see that?

18 A. Yes.

19 Q. And what we were told by Pandora's counsel was  
20 there were no pilots or pretests.

21 Do you see that?

22 A. Yes.

23 Q. Was that incorrect information that we were  
24 provided?

25 A. Well, there -- the word "materials" probably

1 should have been added -- possibly could have been  
2 added to that sentence and -- but we engaged in the  
3 activities that I mentioned in my answer to that  
4 question. We didn't pilot in the sense of put it in  
5 the field for a day with no intention of using that  
6 data as an example of a kind of pilot test, and then,  
7 you know, evaluate it in that sense.

8 Q. Did you record anything from the pilot or  
9 pretest that you described?

10 A. Not that I recall.

11 Q. Do you have any recording of whether we  
12 discussed a number of questions and the reason for  
13 wording -- the wording of them and the like? For  
14 example, that Judge Strickler was asking you about on  
15 a monthly basis, nothing that would show whether or  
16 not respondents had any level of confusion about the  
17 monthly subscription fee and what that would entail  
18 or whether it would be cancellable?

19 A. I don't recall any feedback on that.

20 Q. Okay.

21 MR. KLAUS: I have no further questions at  
22 this time, Your Honor.

23 Thank you.

24 MR. MARKS: Briefly, Your Honor.

25 CHIEF JUDGE BARNETT: Sure.

1 REDIRECT-EXAMINATION BY COUNSEL FOR PANDORA

2 BY MR. MARKS:

3 Q. Let me pick up, Mr. Rosin, where Mr. Klaus left  
4 off.

5 In the monitoring of the questions that was  
6 done at the beginning of the survey, was any  
7 confusion on behalf of survey respondents reported?

8 A. I don't recall any.

9 Q. And in the -- you mentioned that some of the  
10 questions had been used in -- in other surveys.

11 Are you aware of any confusion arising out of  
12 the questions that had been used in other surveys?

13 A. These would have been past that point, so no.  
14 Correct. No.

15 Q. You were asked a question by Judge Strickler  
16 about the margin of error for the survey.

17 Do you recall that question?

18 A. Yes.

19 Q. And I believe that you said that you couldn't,  
20 off the top of your head, calculate a margin of error  
21 for every split or subgroup.

22 Do you recall that?

23 A. Yes.

24 Q. Have you calculated a margin of error for each  
25 of the figures in your presentation today?

1 A. Yes.

2 Q. And when you go from the largest group, which  
3 had the -- reported the 2 percent margin of error  
4 reported in your testimony to some of the subgroups  
5 that we looked at in the slides, what is the highest  
6 margin of error for any of those subgroups?

7 A. The highest was just over 4 percent.

8 JUDGE STRICKLER: That's listed in the  
9 report?

10 The 2 percent I know because I asked it.  
11 I looked at it.

12 Is the 4 percent also listed in the  
13 report? I don't see it in there.

14 THE WITNESS: Not that I recall.

15 JUDGE STRICKLER: And so you -- you recall  
16 that in some of the subgroups where you get the 4 --  
17 the 4 percent is the highest margin of error?

18 THE WITNESS: Of any of the ones that are  
19 in the packet that you were looking at -- in the  
20 demonstrative.

21 JUDGE STRICKLER: In the demonstrative.

22 Did the confidence level stay the same, 95  
23 percent?

24 THE WITNESS: Four percent at the same  
25 confidence level, yes.

1 BY MR. MARKS:

2 Q. You were asked by Mr. Klaus some questions  
3 about respondents who refused to give their age and  
4 then did not complete the -- did not go on to take  
5 the survey.

6 Do you recall that?

7 A. Yes.

8 Q. In your survey, of respondents who agreed to  
9 take the survey, what percentage of respondents who  
10 agreed to take the survey and started answering the  
11 survey answered all the questions and completed the  
12 survey?

13 A. I know that the number was very, very tiny who  
14 failed to complete once they started -- I know the  
15 number is 11 out of what would be the 2006 plus the  
16 11. I can't calculate that off the top of my head.

17 Q. Let me rephrase my question so I'm not asking  
18 you to do math without a calculator.

19 Of the -- of the total number of people who  
20 began the survey, what's the number of people who  
21 failed to complete the survey?

22 A. Eleven.

23 JUDGE STRICKLER: Could somebody begin the  
24 survey if they didn't give their age or they don't  
25 count in the population, the sample?



1 THE WITNESS: They would -- they wouldn't  
2 count. They would be as if they never started.

3 JUDGE STRICKLER: So that's 2006 plus 11  
4 doesn't include those who never got started because  
5 they said I'm not telling you my age?

6 THE WITNESS: Correct, they would not be  
7 in that, but there would be 11 people who somewhere  
8 after that hung up for whatever reason and did not  
9 finish, and those people are -- even if you run the  
10 next to last question and failed to complete, you  
11 would not be included in the sample.

12 JUDGE STRICKLER: How many people, when  
13 you were trying to do the sampling, refused to give  
14 their age right from the get-go?

15 THE WITNESS: I don't know.

16 BY MR. MARKS:

17 Q. And just generally, based on your experience,  
18 what are some of the reasons a survey respondent  
19 might fail to complete a telephone survey?

20 A. Well, not in this case, but, of course, in many  
21 cases it's length of survey. But this was a  
22 relatively short survey, so that's probably not the  
23 case here. But, of course, there's any number of  
24 imaginable reasons. The smoke alarm goes off. You've  
25 got a call on the other line. Kids come home from

1 school. Anything you could imagine who we'll  
2 sometimes have someone say usually with a regret, not  
3 always, I'm sorry, I can't finish. I can't continue.

4 Q. You were asked some questions during Mr.  
5 Klaus's cross-examination about your questions that  
6 asked people to respond to their willingness to pay  
7 for an on-demand service at a particular price point.

8 Do you recall that?

9 A. Yes.

10 Q. In your experience, does asking consumers their  
11 willingness to pay for a product at a particular  
12 price point have significant predictive power?

13 MR. KLAUS: Objection, Your Honor. Lacks  
14 foundation. He hasn't established any -- any record  
15 other than this survey of having asked for something  
16 at a particular price point.

17 MR. MARKS: Mr. Rosin has been doing  
18 consumer surveys for 30 years. He's been qualified  
19 as an expert. I'm just asking as a general basis  
20 whether or not he thinks it has predictive power to  
21 ask the question.

22 CHIEF JUDGE BARNETT: Overruled.

23 BY MR. MARKS:

24 Q. You can answer.

25 A. Yes, of course, it has predictive power. It's

1 not perfect by any means. There's many aspects that  
2 go into someone's purchasing decisions, but as a  
3 prediction of the size of market, these are tools  
4 that are used all the time by many, many people.

5 Q. You testified earlier today that it's a  
6 relatively small number -- a relatively small  
7 percentage of consumers that make up most of the  
8 purchasing or the spend on music.

9 Do you recall that?

10 A. Yes.

11 Q. And then Mr. Klaus asked you a series of  
12 questions about pointing out that you didn't ask  
13 if -- as one of the options if free noninteractive  
14 services went away that you didn't ask whether or not  
15 people would start spending more money on CDs.

16 Do you recall that?

17 A. Yes.

18 Q. In your experience, does the failure to have  
19 asked about whether or not people would have paid for  
20 more CDs, does that affect your conclusion, at all,  
21 that in this marketplace it's a relatively small  
22 percentage of the population that makes up most of  
23 the spending?

24 A. No, it does not change that conclusion.

25 JUDGE STRICKLER: Does your conclusion

1 change if Counsel's question related to spending more  
2 on downloads rather than CDs?

3 THE WITNESS: They were -- no. I think --  
4 no, it would not change.

5 BY MR. MARKS:

6 Q. And do -- if you had asked questions about  
7 increasing the ad load on noninteractive services,  
8 would that change your conclusions about the size of  
9 the market for a paid subscription service?

10 A. No.

11 Q. And if you had asked -- if you had pointed out  
12 in your hypothetical questions that the on-demand  
13 service that would be available was also available on  
14 mobile, would you expect that would change any of  
15 your conclusions?

16 A. No.

17 Q. And if you had asked, as part of that  
18 hypothetical, whether there was online or offline  
19 listening available, would that have changed any of  
20 your conclusions?

21 MR. KLAUS: Object. Object, Your Honor.  
22 These are incomplete hypotheticals. Didn't ask the  
23 question. He doesn't have the data. I don't know  
24 what the foundation is for him to say that this would  
25 or would not change his conclusions.

1 MR. MARKS: He has been working in this  
2 area and studying in this area for decades. He's  
3 asked -- been -- he's been studying it, as Mr. Klaus  
4 pointed out, back into the earliest time if not  
5 before. He has seen numerous results over time. I'm  
6 not asking him to give percentages or specific  
7 percentages, but just his understanding of -- and  
8 the -- for the general patterns he's observed over  
9 time.

10 JUDGE STRICKLER: Well, wouldn't that  
11 suggest that he doesn't need to do the surveys  
12 because from his experience about the surveys he  
13 knows the answers before he even asks the question?  
14 This is not Jeopardy.

15 MR. KLAUS: I don't mean to -- I don't  
16 mean to suggest that it is, Your Honor.

17 CHIEF JUDGE BARNETT: The objection is  
18 sustained.

19 BY MR. MARKS:

20 Q. Mr. Rosin, you were asked some questions  
21 earlier during your exam about your survey findings  
22 with regard to the number of people who report that  
23 the time they spend listening to Pandora or other  
24 noninteractive services is coming -- is the result of  
25 new listening time as opposed to coming from a

1 different source of music.

2 Do you recall that?

3 A. Yes.

4 Q. Could you tell the panel what developments  
5 there had been in the marketplace that you're aware  
6 of that facilitate new listening time?

7 MR. KLAUS: Objection, Your Honor. That's  
8 beyond the scope of my cross-examination.

9 CHIEF JUDGE BARNETT: Sustained.

10 MR. MARKS: No further questions.

11 CHIEF JUDGE BARNETT: Judge Feder?

12 Thank you. Thank you, Mr. Rosin. You may  
13 be excused.

14 We will be in recess until 1:05.

15 (A short recess was taken.)

16 CHIEF JUDGE BARNETT: Please be seated.

17 All except the witness.

18 DOMINIQUE M. HANSSENS,

19 being first duly sworn, to tell the truth, the whole  
20 truth and nothing but the truth, testified as  
21 follows:

22 CHIEF JUDGE BARNETT: Good afternoon.

23 MS. ABLIN: Good afternoon, Your Honor.

24 DIRECT EXAMINATION BY COUNSEL FOR NAB

25 BY MS. ABLIN:

3807

1 Q. Good afternoon, Professor Hanssens.

2 A. Good afternoon.

3 Q. Where are you employed?

4 CHIEF JUDGE BARNETT: Excuse me. Let's  
5 begin with stating your name and spelling your last  
6 name, please.

7 MS. ABLIN: Sure.

8 BY MS. ABLIN:

9 Q. Could you spell your last name for the record  
10 and your first name as well.

11 A. Sure. My last name is Hanssens,  
12 H-A-N-S-S-E-N-S. My first name is Dominique, D-O-I-M  
13 -- I'm sorry -- D-O-M-I-N-I-Q-U-E. There we go.

14 Q. And where are you employed?

15 A. I'm a professor at the UCLA Anderson School of  
16 Management.

17 Q. And how long have you been there?

18 A. I've been on that faculty since 1977.

19 Q. And please describe your educational  
20 background.

21 A. Well, my undergraduate degree from my native  
22 country, which is Belgium, which is where I studied  
23 economics. And then I went to Purdue University  
24 where I got both master's and Ph.D. degrees in  
25 management.

1 Q. And do you focus on any particular areas of  
2 research at UCLA?

3 A. Yes. Throughout my career, my main focus of  
4 research has been on marketing.

5 Q. Have you received any awards for your teaching  
6 or research?

7 A. Well, on the teaching front, I've been  
8 fortunate to have earned a few teaching awards,  
9 including a decade award for the faculty at UCLA  
10 Anderson.

11 And on the research front, some of my papers, I  
12 believe five of them, in marketing have won Best  
13 Paper of the Year awards. And then later in my  
14 career I received some lifetime achievement wards,  
15 two of them from the American Marketing Association  
16 and two of them from the Society for Marketing  
17 Science.

18 Q. Please describe briefly for us your  
19 publications.

20 A. Well, in the course of my career to date, I  
21 have written approximately 105 papers. That would  
22 include published articles, mainly marketing  
23 journals, books, book chapters, working papers and  
24 various reports.

25 Q. Do you have other experience in the field of



1 marketing outside of your academic work?

2 A. Outside -- strictly outside academia, I've done  
3 consulting work in various parts of marketing  
4 throughout my career for a variety of organizations.  
5 And I have also served as -- as the executive  
6 director of the Marketing Science Institute in  
7 Cambridge, Massachusetts. And that's a nonprofit  
8 organization that focuses on the bridge between  
9 marketing academia and marketing practice.

10 Q. Please describe your experience both designing  
11 and using consumer surveys.

12 A. Well, consumer surveys have been an integral  
13 part of my work throughout my career because I'm very  
14 empirically oriented. I look at data a lot. And  
15 that -- so I've done numerous surveys, either  
16 surveyed -- excuse me -- designed, supervised, used  
17 surveys in all three aspects of my career, in other  
18 words, in research, in consulting as well as in  
19 teaching.

20 Q. And have you previously served as a marketing  
21 and consumer survey expert in other cases?

22 A. Yes, I have. And I believe to date I have done  
23 approximately 25 cases where I served -- where I did  
24 testimony either in deposition or in court or both.

25 And then I've done another 20 or 22 or so cases

1 where I delivered the declaration or the report but  
2 which did not lead to subsequent testimony.

3 MS. ABLIN: Your Honors, NAB tenders  
4 Professor Hanssens as an expert in marketing,  
5 marketing research and consumer surveys.

6 CHIEF JUDGE BARNETT: Professor Hanssens  
7 is so qualified.

8 MS. ABLIN: Thank you.

9 BY MS. ABLIN:

10 Q. Professor Hanssens, did you submit written  
11 rebuttal testimony in this proceeding?

12 A. Yes, I did.

13 Q. And could you please turn to the first tab in  
14 the binder that's in front of you. I believe it's  
15 got your name on it.

16 A. Yes.

17 Q. Do you see a document there that is marked as  
18 NAB Exhibit 4012?

19 A. I see it.

20 Q. And is NAB Exhibit 4012 a copy of your  
21 testimony?

22 A. Yes, it is.

23 Q. And to the best of your knowledge, is your  
24 testimony true and accurate?

25 A. Other than a couple of typos in an appendix or

1 so, it is complete, yes.

2 Q. And please turn to the page following your  
3 testimony and right before your CV.

4 A. Yes.

5 Q. Is that a declaration bearing your signature?

6 A. Yes, it is.

7 MS. ABLIN: Your Honors, NAB offers NAB  
8 Exhibit 4012 into evidence.

9 MS. LEMOINE: No objection, Your Honor.

10 CHIEF JUDGE BARNETT: 4012 is admitted.

11 (NAB Exhibit No. 4012 was admitted into  
12 evidence.)

13 BY MS. ABLIN:

14 Q. Now, could you please take out your  
15 demonstrative binder and turn to the third page  
16 there.

17 A. Yes.

18 Q. Could you describe for us, Professor Hanssens,  
19 what you were asked to do in this proceeding.

20 A. Well, in this proceeding I have been asked to  
21 both design a survey and implement it and then  
22 analyze the results with respect to the relative  
23 value assigned to music of listeners to a certain  
24 form of radio simulcast.

25 And there is a strict delineation here of the

1 category we're talking about. We're talking about  
2 U.S.-based; has to be commercial; and it has to be a  
3 simulcast of radio stations that are terrestrial, so  
4 AM -- AM or FM; and they have to play music.

5 Q. And how did you decide to complete that  
6 assignment?

7 A. I decided to complete that assignment by  
8 conducting a survey since what I'm being asked here  
9 is a consumer's point of view. So I went directly to  
10 a representative sample of consumers of these kinds  
11 of services.

12 Q. If you could turn to Page 4 in your  
13 demonstrative binder and then tell us a little bit  
14 about the headline conclusions that you've reached  
15 from doing your survey.

16 A. Yes. At the conclusion of the survey, I  
17 produced an estimate of the relative value of music  
18 relative to other program elements in --  
19 incidentally, from now on I'll use the term "radio  
20 simulcast" to refer to that long characterization of  
21 a minute ago.

22 So 57 percent of the total value is provided by  
23 music. That is the average. There is a 95 percent  
24 confidence interval around that average, which brings  
25 us in the range of 54 to 60 percent. That's

1 Conclusion No. 1.

2           Therefore, the remaining 43 percent, on  
3 average, would be to other programatic elements of  
4 these services. And there is a list there of what  
5 they include. So we're talking about news, weather,  
6 traffic, disc jockeys, local event announcements and  
7 so forth.

8       Q. Let's talk a little bit about the design of  
9 your survey. And I'll refer you to Page 5 in your  
10 demonstrative binder.

11           First, did you have any assistance in designing  
12 and implementing your survey?

13       A. Yes, I did. There were three organizations  
14 involved here. The first is Cornerstone Research,  
15 with whom I've had the most contact and with whom I  
16 have worked on numerous cases before.

17           Secondly, because obviously there's a survey  
18 here, we went to a professional survey firm, TRG, or  
19 Target Research Group. And that is a group that I've  
20 had prior experience with. They have a great deal of  
21 expertise in conducting surveys.

22           And finally, since the methods that was used --  
23 or the medium, I should say, is an Internet panel, we  
24 brought in a leading Internet panel data provider by  
25 the name of Toluna.

1 Q. And why did you choose to do an Internet or  
2 online survey?

3 A. Well, There are various reasons for that.  
4 First of all, we start from a very, very broad base.  
5 Because Toluna, in this case, has a membership base  
6 of -- I believe it's about 1.7 million members in the  
7 United States. So it's a very broad base to begin  
8 with.

9 Secondly, this particular approach allows us,  
10 as it says on the slide there, a double-blind design.  
11 There is no interviewer involved. So there's no  
12 potential bias by the nature or the personality of  
13 the interviewer.

14 Of course the survey is double-blind. So when  
15 the person is invited to participate, he or she does  
16 not know what the ultimate objective of the study is,  
17 and the sponsor is never mentioned.

18 There also is very substantive advantages in  
19 the data collection itself. Is it very efficient.  
20 The data are entered directly, so there's no coding  
21 error from another human intervention here. And  
22 finally -- and, of course, there's various  
23 verification procedures that are possible.

24 And finally, since ultimately we're talking  
25 about a segment of online users or a particular set

1 of services that are online, it seemed appropriate to  
2 me to use an online medium to survey people about  
3 their behaviors and attitudes towards one particular  
4 online service.

5 JUDGE FEDER: You said that Toluna has a  
6 membership of 1 point something million?

7 THE WITNESS: Yes.

8 JUDGE FEDER: What exactly do you mean by  
9 "membership"?

10 THE WITNESS: Yes. Well, it's not  
11 membership in the sense that you have to pay. But  
12 they have been able to assemble 1.7 million people in  
13 the United States that represent the nation  
14 demographically; and that, in exchange for some small  
15 incentives, are willing to be asked from time to time  
16 to participate in an interview -- I'm sorry -- in a  
17 survey.

18 They are never forced. It is always  
19 voluntary. But because we start with such a large  
20 base, we actually get a very, very reasonable  
21 response rate.

22 JUDGE FEDER: And this base, are they  
23 self-selected, or how do they become part of that  
24 group?

25 THE WITNESS: Yes. They are selected by

1 Toluna in this particular case and with particular  
2 reference to demographic representation.

3 I do not know for a fact, because Toluna  
4 has been around for some time, what the first contact  
5 is. It is undoubtedly online because it's an online  
6 panel. So they are basically invited, and they are  
7 given some attractive incentives to participate.  
8 They basically collect points, and then these points  
9 can be cashed in for prizes at some point.

10 JUDGE FEDER: Thank you.

11 JUDGE STRICKLER: Another question for  
12 you, sir. Good afternoon.

13 THE WITNESS: Good afternoon.

14 JUDGE STRICKLER: You say in Paragraph 17,  
15 and you just mentioned in your testimony, that you  
16 worked with two other organizations, Target Research  
17 Group and Cornerstone Research, to design and conduct  
18 an online survey.

19 What was the relative contributions of  
20 each, and in what areas did they contribute?

21 THE WITNESS: Yes. Cornerstone is an  
22 organization that provides litigation support  
23 services in general and that I have used many times  
24 in the past, either survey related or not.

25 And a team at Cornerstone was my primary



1 contact. And that is for everything such as the --  
2 taking my outlines, helping me to draft, making sure  
3 that footnotes are accurate, that kind of support  
4 work. That's Cornerstone.

5 TRG has nothing to do with Cornerstone.  
6 They are an independent market research firm. I and  
7 Cornerstone independently have access to several  
8 market research firms. We picked this one because of  
9 our high satisfaction with them in the past and  
10 because they seem to be particularly good at this  
11 type of survey. And of course I've had direct  
12 contact with TRG as well. And then TRG uses the  
13 panel as input data, the Toluna panel.

14 JUDGE STRICKLER: So you're independent of  
15 both of these organizations?

16 THE WITNESS: Oh, that's correct, yeah.  
17 Totally independent.

18 JUDGE STRICKLER: Thank you.

19 BY MS. ABLIN:

20 Q. Professor Hanssens, let me direct you to Page 6  
21 now with your demonstrative binder.

22 And who was the target population, first of  
23 all?

24 A. The target population is described there.  
25 We're talking of course about U.S. residents for

1 starters. And we wanted to have individuals who have  
2 at least a reasonable familiarity with the service  
3 being provided here. And we defined that as  
4 listening to a radio simulcast for at least one hour  
5 per week.

6 We sampled all ages from age 16 on. The 16 is  
7 determined by the need for parental consent below 16,  
8 which we don't need from 16 on.

9 And prior to designing the survey, I asked for  
10 some documentation on prior surveys that would help  
11 me understand what are the attributes that people  
12 value in the context here we're talking about and so  
13 that I was able -- so that I would be able to get  
14 some sort of a demographic profile that's relevant  
15 here. And that is mentioned there along the typical  
16 demographic characteristics.

17 And all of that resulted in an initially much  
18 larger sample that, by the time we had put in all the  
19 filters, we were down to just under 500 respondents.

20 Q. And what did you do to determine whether  
21 respondents qualified for your survey?

22 A. Yes. Well, the first -- it's basically through  
23 a set of screening questions that are at the very  
24 beginning of the survey.

25 So, for example, I believe approximately -- the

1 details are in the report, but approximately 33,000  
2 people were contacted, and just under 6,000, about  
3 15 percent or so, responded. So we have a good  
4 response rate initially of 15 percent.

5 But then as it turns out, many people --  
6 because, see, at this point they don't know what the  
7 survey is about, and they actually get disqualified  
8 as soon as we ask that question about, "How often do  
9 you listen to a radio simulcast?" So we lost a lot  
10 of people because they're simply not in that target  
11 market. So that's a screener.

12 Then, of course, there are screening questions  
13 on the other variables, such as age and other  
14 characteristics. People were also screened out if  
15 they did not show a good faith effort in the sense  
16 that they didn't answer some questions or some  
17 answers were nonsensical or that would come up with  
18 fake names, et cetera. So the people with very low  
19 involvement, I would say.

20 And so those were various, you know, quality  
21 controls in such a way that, when we finally have the  
22 set of final respondents, that we are comfortable  
23 that we have exactly the profile that we're looking  
24 for.

25 JUDGE FEDER: Do the ones who are screened

1 out, do they receive the same incentive as those who  
2 remain in the survey?

3 THE WITNESS: I'm not a hundred percent  
4 sure of that. The -- since that's done very  
5 quickly -- because literally the first few questions  
6 is thank you very much, and that's it -- I doubt it.

7 But, you see, the incentive mechanism is  
8 based upon how long and how complex the survey is.  
9 My presumption is that, if somebody doesn't qualify,  
10 that there wouldn't be an award. I can't rule out  
11 that there was some minimal award. That's possible.

12 BY MS. ABLIN:

13 Q. Professor Hanssens, if you could turn to Page 7  
14 of your demonstrative binder.

15 A. Yes.

16 Q. And does this page reflect the question that  
17 you designed to fulfill your assignment in this  
18 matter?

19 A. Yes. As it says there, this was the key survey  
20 question commensurate with what I was being asked to  
21 do here. Yes.

22 Q. Okay. And what type of survey did you decide  
23 to use to evaluate the question you were looking at?

24 A. Yes. Well, since we need a quantitative  
25 answer, we need a percentage, I decided to use a

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1 constant sum framework. And just for clarification,  
2 constant sum scaling is very common in market  
3 research.

4 The method's very simple. You are given a  
5 hundred hypothetical points and -- along with some  
6 attributes that deliver value. And you are simply  
7 asked to allocate points commensurate with how much  
8 value you feel you perceive from that attribute.

9 And so it is simple. It is easy to understand.  
10 And, of course, in execution of that, you have to be  
11 careful about certain things.

12 For example, you know, you can't use too many  
13 categories. Very hard for people to determine the  
14 difference between let's say 2 percent or 3 percent  
15 value. So we keep the number of categories very  
16 reasonable. And we make sure that these categories  
17 are well understood, that they're simple and that  
18 they are meaningful.

19 Q. And why did you choose a constant sum survey as  
20 opposed to an alternative survey approach?

21 A. Well, yes. I considered a few alternatives.  
22 For example, you could do something along these lines  
23 with open-ended questions, just asked by way previous  
24 surveys have done, very open-ended. You could also  
25 run a conjoint method or conjoint application.

1 But after thinking this through and what the  
2 objective was here, I felt that these other methods  
3 wouldn't answer the question at hand. And so they're  
4 fine methods. But for what we're trying to do here,  
5 you really need something along the lines of constant  
6 sum.

7 JUDGE STRICKLER: Why did you think a  
8 conjoint method would not be appropriate?

9 THE WITNESS: Well, there's a couple of  
10 reasons for that. First of all, there are no prices  
11 here. We're talking about -- conjoint asks people to  
12 make tradeoffs. Many of these tradeoffs involve  
13 prices, getting to the notion of willingness to pay.  
14 In other words, there are switching costs.

15 There are basically no switching costs  
16 here other than maybe pushing one button versus  
17 another. And so for that reason, there isn't really  
18 the strong notion of tradeoff here that you have in  
19 other surveys.

20 Secondly, conjoint would be more complex.  
21 It would be more time consuming. And most of all,  
22 quite frankly, we're not really asking the people to  
23 make choices here because the choices have already  
24 been made.

25 We already know that a listener listens at

1 least one hour per week and meets the other hurdle.  
2 Now the question is we're not asking that person to  
3 make choices; we're just asking that person to  
4 reflect on what delivers value.

5 And because that's not really a choice  
6 question or a tradeoff question, the constant sum is  
7 appropriate.

8 JUDGE STRICKLER: Thank you.

9 BY MS. ABLIN:

10 Q. Let's talk about the programming -- programatic  
11 elements that are reflected in your key question.

12 How did you decide which pragmatic elements to  
13 include in this question?

14 A. Yes. Well, when I was first contacted and made  
15 aware of this possible assignment, I asked for  
16 background documentation. I wanted to see possibly  
17 other surveys that have helped me understand what it  
18 is about radio simulcast -- and again, the narrow  
19 definition that I have here -- that people value.  
20 And I got that. I've seen several prior surveys. So  
21 that gave me kind of a shopping list of attributes.

22 Since I am a simulcast listener myself, I  
23 started to pay particular attention to the commercial  
24 programs and pay attention to what are they doing,  
25 you know, switch from a DJ to a contest or an ad and

1 so forth. So my own paying attention really helped.

2 And then I also saw some documentation from  
3 broadcasters who basically wrote about why they offer  
4 services other than music. Why do they have disc  
5 jockeys, et cetera, and how important is it to them.

6 So from these combined sources, I was able to  
7 produce a list that you see there. And again, a  
8 major consideration here, it has to be simple. It  
9 cannot pass 27 different attributes.

10 So we combined some attributes that are really  
11 easily understood. For example, in a news, traffic  
12 and weather I think logically belong together. And  
13 when he we did the pretest, people didn't have any  
14 problems with that. Same thing for the other  
15 categories in such a way that we really have only  
16 five other than music.

17 And then, of course, because we can never be  
18 sure -- or I can never be sure that I have captured  
19 all elements, I allowed for an "all other," it says  
20 there.

21 And then finally and importantly, if a  
22 respondent, even though he or she qualifies, is just  
23 simply not comfortable putting these weights down,  
24 we're not going to force them. We just say it's okay  
25 to not know or to not be sure. And we have a



1 category for that as well.

2 So that's what determines the list.

3 JUDGE STRICKLER: Professor, were  
4 individuals permitted to assign the same value to  
5 different categories?

6 THE WITNESS: Sure. The only condition  
7 was obviously percentages have to be either zero or  
8 greater than zero. They have to sum to 100. And  
9 when somebody left an entry blank, that was assumed  
10 to be zero.

11 But the software is written in such a way  
12 that the respondent cannot continue the survey unless  
13 the sum of the weights equals exactly 100.

14 JUDGE STRICKLER: Do you have occasion  
15 where some of the survey respondents had a value that  
16 did not add up to 100?

17 THE WITNESS: In the end, no, because the  
18 software wouldn't let them. I cannot rule out that  
19 somebody in the process got frustrated that he or she  
20 couldn't add to 100 and dropped the survey. And then  
21 that would be a nonrespondent. I can't rule that  
22 out. But I have no evidence that that was a problem.

23 JUDGE STRICKLER: If someone fills in  
24 their values and they came up to 90, did the software  
25 instruct them to go back and do it again until they

1 got to a hundred?

2 THE WITNESS: That's exactly right.

3 JUDGE STRICKLER: Okay.

4 BY MS. ABLIN:

5 Q. And looking at your question there, why did you  
6 ask respondents specifically about the radio station  
7 simulcast that they listened to the most?

8 A. Oh, yes. That indeed was a question we asked  
9 just prior to the key question here. And the  
10 reason's as follows.

11 While I can't prove this, as a researcher, I  
12 have to allow for the possibility that a given  
13 individual has more than one set of weights. You may  
14 have one type of radio station for which you value  
15 one element more versus another.

16 Given that possibility, to ask people to  
17 average across radio stations is going produce  
18 answers that I think are of lower quality. And the  
19 task also becomes mentally more difficult.

20 So we prime the consumer or the respondent  
21 instead of, "Just think about your favorite station.  
22 We're just going to ask a question about your  
23 favorite station." And that makes the task much  
24 easier. And I have all reason to believe that that  
25 makes the results much more reliable than otherwise.

1 JUDGE STRICKLER: So you didn't ask them  
2 to think of their favorite music station; you just  
3 asked them to think of their favorite station and  
4 then the attributes?

5 THE WITNESS: Yeah. Careful. I have to  
6 -- we continuously repeated this because it's a very  
7 important point. It's about simulcast radio or radio  
8 simulcast of terrestrial AM/FM, it has to be  
9 commercial, has to be U.S.-based, and of course you  
10 listen to it over the Internet. Oh, and I forgot to  
11 say and the station plays music. Okay?

12 That's the very, very specific -- let's  
13 say, you know, perimeter of the survey.

14 BY MS. ABLIN:

15 Q. If you could turn to Page 8 now in your  
16 demonstrative binder.

17 And in designing your survey questions, the  
18 questions themselves, what did you do to ensure that  
19 the results you received were reliable?

20 A. Well, what I did -- and as I always do in  
21 surveys, or as one should do, there are a number of  
22 quality control elements in survey research. And  
23 they're described, for example -- described in my  
24 report. They come from, among other sources, the  
25 Diamond source on the standard reference manual for

1 survey research.

2 And you see some examples there. For example,  
3 we know that there sometimes is order bias. Let's  
4 say between five alternatives, A, B, C, D, if you  
5 always put A before B, you might bias the results.  
6 So those orders were randomized.

7 Likewise, very important, never force somebody  
8 to answer. Allow the "I don't know" or "I'm not  
9 sure" category.

10 Simple language. You know, for example, my  
11 report talks about music-formatted station. But we  
12 didn't tell the respondent that. We said "stations  
13 that play music." Okay. That's simple English. And  
14 we kept on repeating that.

15 And of course there is instruction that we're  
16 talking about the Internet. I've already talked  
17 about the limited number of choices in the constant  
18 sum.

19 An importantly, we pretested to make sure that  
20 the survey -- that the questions were well  
21 understood, that people could answer in a reasonable  
22 amount of time; and therefore, quality of the answers  
23 will be good.

24 JUDGE STRICKLER: Professor, the first  
25 step you took was to make sure the order of answer

1 choices was randomized.

2 Is that always required?

3 THE WITNESS: Well, it is if you have --  
4 if you have multiple categories. So it wouldn't be  
5 the case for open-ended questions. Because in  
6 open-ended you just write in whatever you like.  
7 Okay?

8 But if it is a categorical question, such  
9 as in this case, you know, music, disc jockey, news,  
10 let's say, these three, you really have to randomize  
11 them.

12 There is a tendency to bias either in  
13 front of maybe the first or the last. And we don't  
14 want the results to be dependent on that. So that is  
15 good practice, yes.

16 JUDGE STRICKLER: Just follow up for a  
17 second.

18 When you say there's a possibility of bias  
19 with the constant first or last, what do you mean by  
20 that?

21 THE WITNESS: Well, what I mean by that is  
22 that -- there's research in psychology for that.  
23 First of all, the first element, if it's always the  
24 same -- if the same category is always mentioned  
25 first, you may -- I'm not saying you will, but you

1 may, as a respondent -- it's called a demand  
2 factor -- get the impression that that really is the  
3 most important one, okay, because it's put first.

4 JUDGE STRICKLER: What about a choice  
5 that's put last?

6 THE WITNESS: Okay. And the last is the  
7 so-called recency effect. If you read the page from  
8 top to bottom, the last one is the last one you see.  
9 And likewise, there is sometimes a bit of a tendency  
10 to look at the last because it's the most recent.

11 And we just don't want to have to worry  
12 about that. So we randomize.

13 JUDGE STRICKLER: And does that recency  
14 effect become more or less of a problem if the survey  
15 is online versus oral, telephone.

16 THE WITNESS: Let me think a little bit  
17 about this. I would say it is stronger in a  
18 telephone interview because you need to memorize. If  
19 somebody gives you five categories on the phone, you  
20 need to memorize them; whereas, here you can look at  
21 the page for as long as you like.

22 So I would expect it to be a worse problem  
23 in telephone interview or in in-person interviews.

24 JUDGE STRICKLER: Thank you.

25 BY MS. ABLIN:

1 Q. Professor Hanssens, one of the slides -- one of  
2 the bullets on the slide we're looking at mentions  
3 pretesting.

4 Did you change anything in your survey as a  
5 result of pretesting that you did?

6 A. Yes. Okay. So in other words, yes, I  
7 understood the question.

8 I -- the pretesting has two parts. The first  
9 is a qualitative part where you test the survey  
10 qualitatively on people around you. And TRG did  
11 that, and Cornerstone did that, and I did that  
12 independently.

13 And then we get on the phone, and we say, "Any  
14 problems with the questions? Anybody indicate  
15 hesitation over meaning, et cetera?" And that's --  
16 it's a qualitative part, but it's important. That's  
17 step one.

18 Then we go ahead and design the instrument and  
19 administer it to some reasonable, you know, pretest  
20 sample. And we want to ensure that everything is  
21 being answered according to plan within a reasonable  
22 amount of time.

23 If I recall correctly, there is one question  
24 that we subsequently slightly changed because we  
25 could improve the quality of the answer. And that

1 was the question -- I believe it was on "How many  
2 hours a week do you listen to your favorite station?"  
3 We had previously asked, "How many hours do you  
4 listen overall?" And there were few cases where the  
5 second number was higher than the first number.

6 So, in order to help people along, in case they  
7 had a little memory lapse here, we formulated the  
8 second question as a percent. So that fixed it.

9 So the pretest was actually doing exactly what  
10 it's supposed to do. It is pointing out potential --  
11 admittedly minor, but still potential minor areas  
12 that can be improved upon.

13 Q. Please now briefly walk us through the  
14 implementation of your survey.

15 A. Okay. Well, the survey was -- most of our work  
16 was in January. And we were ready in early February.  
17 And it took about a week to get to a sample size that  
18 I was comfortable with.

19 And then after that and very quickly after  
20 that, there was a validation run, which is done by  
21 Toluna. In other words, they contact people to -- on  
22 the phone to make sure that they're the ones who  
23 completed the survey.

24 And then the rest was all the analysis part,  
25 which I have already talked about. So basically the



1 statistical analysis of the constant sum results.

2 Q. And do you believe that your response and  
3 completion rates, as well as your sample size, were  
4 reliable numbers?

5 A. I'm very happy with these results. I have  
6 checked -- well, and I knew that, in fact, ahead of  
7 time what to expect. The 15 percent response rate is  
8 actually on the high side for this type of survey.

9 As I mentioned, we lost a lot of people  
10 because, even though demographically they may be  
11 fine, they're just not in the target market for radio  
12 simulcast.

13 We had the usual number of people who then,  
14 once they found out what it was about, they weren't  
15 really interested, so they self-terminated.

16 But the completion rate is over 80 percent.  
17 And then -- and I'm really quite happy with that.  
18 And, of course, my ultimate sample size of 468 allows  
19 me to make meaningful statistical inference.

20 Q. If you'd please take a look at Page 9 in your  
21 demonstrative binder.

22 A. Yes.

23 Q. Does this demonstrative depict the results of  
24 your survey?

25 A. Yes, it does.

1 Q. And could you tell us a little bit about those  
2 results?

3 A. Well, there are several numbers on this  
4 particular page. And I don't need to review all of  
5 them. But let me just focus on the important ones.

6 You see there the one surrounded by red -- in  
7 red there's a 57.2, which I've rounded off to 57.  
8 That's sort of the key number, if you wish, that I  
9 was asked to produce. And I've previously defined  
10 what that 57 means.

11 It had a high standard deviation. So in other  
12 words, people vary a lot in their individual value  
13 assignments to these components. They definitely do.

14 But I am being asked to produce an average  
15 here. And in terms of the average, the 57 is a  
16 fairly stable number with a confidence interval that,  
17 as it says there, is somewhere between 54 and 60.

18 I'm happy to elaborate on the other numbers.  
19 They show you the relative weights of the other  
20 components, and you see even a few people in the "all  
21 other."

22 But on the whole then, the important takeaway  
23 is that the nonmusic elements of these kinds of  
24 services compose or take about 43 percent of the  
25 total value.

1 Q. And finally, if you could take a look at Page  
2 10 of your demonstrative binder.

3 A. Yes.

4 Q. And tell us about any -- all of the conclusions  
5 that you were able to draw as a result of conducting  
6 this survey.

7 A. Yes. Well, in the first two, of course, I've  
8 already said I had a qualitative level. In simulcast  
9 radio, as I defined earlier, music is not the only  
10 source of value. That's quite clear.

11 Secondly, we have reliable estimates of the  
12 magnitude of the value. And it hovers around 57  
13 percent with the confidence interval that's stated  
14 there. Therefore, the other components take up about  
15 43 percent.

16 And finally, music here, which is the 57  
17 percent component, had several sort of subcomponents  
18 to it. One of them is, of course, the sound  
19 recording, what the listener hears.

20 But then of course, you know, one can  
21 conceivably assign some value to whoever composed the  
22 music. So that's the second component.

23 And then also, since this is radio, somebody  
24 else besides the listener decided on what to play.  
25 So the selection is another source of value. And, in

1 fact, a lot of these radio listeners, terrestrial and  
2 simulcast, talk about how much they enjoy the  
3 discovery part of these kinds of services. And there  
4 may be other components as well.

5 So all this to say is that, because music has  
6 these subcomponents, the 57 percent, when it comes to  
7 look at -- looking at sound recordings, that's really  
8 the upper limits. The true number is probably  
9 somewhere below 57 percent. As I say, there is  
10 likely lower than the number reported.

11 MS. ABLIN: Thank you very much, Professor  
12 Hanssens.

13 THE WITNESS: Thank you.

14 MS. LEMOINE: Your Honors, I have no  
15 binder for you.

16 CHIEF JUDGE BARNETT: Thank you,  
17 Ms. LeMoine.

18 MS. LEMOINE: You are welcome. I knew  
19 that that would go over well.

20 CROSS-EXAMINATION BY COUNSEL FOR SOUNDEXCHANGE

21 BY MS. LEMOINE:

22 Q. Good afternoon, Mr. Hanssens.

23 A. Good afternoon.

24 Q. Sorry. Dr. Hanssens. Good afternoon.

25 My name is Mindy LeMoine. I'm a lawyer for

1 SoundExchange in this proceeding. I met you right  
2 before lunch.

3 A. Yes.

4 Q. Nice to see you again.

5 Dr. Hanssens, your survey and your testimony  
6 focuses on online listening to simulcast radio  
7 stations; is that right?

8 A. That play music.

9 Q. Yes. That play music.

10 And you -- your testimony said you understand,  
11 for the purposes of what you're testing, okay, a  
12 simulcaster refer to content that's essentially  
13 identical whether listened to via a traditional AM/FM  
14 receiver or via the Internet; is that right?

15 A. The content is, that I'm aware of generally,  
16 identical, yes.

17 Q. So that's what you were testing.

18 A. Correct.

19 Q. So your testimony -- you don't propose a rate  
20 structure for the panel to adopt in this proceeding?

21 A. I have not been asked to do that.

22 Q. And you don't propose particular rates for any  
23 services in this proceeding?

24 A. I have not been asked to do that.

25 Q. So we talked a little about the population that

1 you sought to survey. And let me see if I get all  
2 the elements in there.

3 People who listen to U.S.-based, commercial,  
4 AM/FM, music-formatted radio stations over the  
5 Internet, right?

6 A. Yes.

7 Q. Okay. And you identified the demographics of  
8 your population based on the demographics of  
9 iHeartRadio listeners, right?

10 A. Well, I wanted to get a comparison base other  
11 than the general U.S. population. So I looked into  
12 the documentation that I had asked for, and I found a  
13 couple of sources that were very helpful. And they  
14 both refer to iHeart. Correct. One was done by  
15 Sony, and one was done by NPD.

16 Q. Right.

17 But just to be clear, you don't know whether  
18 the people in your panel were iHeartRadio listeners,  
19 but you used the demographics that you found were  
20 attributed to iHeart listeners, correct?

21 A. That is correct.

22 Q. Okay. Now, as to the key question that you  
23 identify as the key question in your testimony and  
24 that you just went over with Ms. Ablin, you asked  
25 about only the one AM/FM station that respondents

1 listened to the most, right?

2 A. Yes.

3 Q. But you did not ask the respondents to identify  
4 that station, did you?

5 A. Well, no. In other words, you mean identify it  
6 on the dial? No.

7 Q. So if we had that information, we would be able  
8 to sort of get a better sense of whether the  
9 respondents understood your survey, right?

10 A. I don't see why -- I don't understand why that  
11 would be the case.

12 Q. Well, you asked about all of those elements of  
13 a particular radio station, right?

14 A. Yes.

15 Q. Commercial, played music.

16 And so, if I had the actual stations that  
17 people identified, I could determine whether they fit  
18 all those characteristics, correct?

19 A. I'm really not following you. I'm sorry.  
20 Because I understand, of course, just prior to the  
21 main question, I asked about the favorite question.  
22 So at this point, the respondent is focused. And  
23 then I just asked about the weights.

24 Whether that's one station or another, at this  
25 point the respondent already knows what he or she is

1 referring to. But I don't need to know that.

2 Q. Right.

3 But radio stations are different?

4 A. Well, yes. Their styles are different.

5 Q. So if I knew what those situations were that  
6 people were talking about, I could determine and  
7 analyze whether they have the same relative mix of  
8 music and nonmusic contents, couldn't I?

9 A. Are you talking about on the supply side now?  
10 So in other words about whether -- I agree with you  
11 that radio stations are different.

12 Are you talking about what -- the relative mix  
13 of programming elements that they provide?

14 Q. That's right.

15 A. Okay. Well, I agree with you that there will  
16 be differences. But I am not sure why this is  
17 relevant here for a very simple reason.

18 If a station produces programming elements that  
19 a listener does not like, then that listener will go  
20 to another station that he or she does like.

21 And that is the -- and since I'm asked to  
22 produce an average, not really -- nobody asked me to  
23 do the weights for rock music, for example, or for  
24 classical music. I was not asked to do that. I need  
25 to produce an average. So as long as I have their



1 favorite station, I'm fine.

2 Q. Okay. So -- but the relative mix of music and  
3 nonmusic content in a particular station is important  
4 to what you're looking at here, right?

5 A. You are really talking -- I'll make sure that I  
6 understand your question. You're really talking  
7 about the supply side, what's being offered to the  
8 listener, correct?

9 The differences you're referring to refer to  
10 the fact that Station A has a different mix than  
11 Station B. And my point is -- first of all, you're  
12 right. These are different.

13 But because I've already asked somebody to  
14 refer to their favor station, and because the  
15 question for me is what the -- does the consumer  
16 value, not what does the broadcaster value, okay, I  
17 don't need to know this.

18 Q. Right.

19 What I'm trying to determine is whether there's  
20 a representative sample of radio stations in your  
21 sample.

22 We don't know that, do we?

23 A. Well, why would there not be?

24 Q. Well, that's not my question. My question is  
25 we don't know that.

1 A. Well, I didn't test for it.

2 Q. So you had 468 respondents.

3 A. Yes.

4 Q. And we don't assume that they're listening to  
5 468 radio stations.

6 A. We make no assumptions what their favorite  
7 stations are.

8 Q. So, Dr. Hanssens, you tried to draft these  
9 questions so they were easy to understand, right?

10 A. Yes.

11 Q. All right. You chose particular words and  
12 phrases that were important to your questions.

13 A. Yes.

14 Q. And you agree that it's important in a survey  
15 to ensure that the words are not ambiguous?

16 A. I agree.

17 Q. So let me ask you about sort of the beginning  
18 of the key question that you asked, Question 5.

19 Your Question 5 reads: "Now we would like to  
20 ask you about the value you get from the different  
21 features of that station's programming when you  
22 listen to that one station over the Internet."

23 A. Okay. I'm reading a slightly different wording  
24 on this handout.

25 Q. It actually was not included on these slides

1 that Ms. Ablin provided. But if you could look to  
2 your actual report.

3 A. The screen shots?

4 Q. Yes. And look to I think Appendix 3, the main  
5 questions. We can look there.

6 And if you look at Question 5, it begins and  
7 focuses the listener on the one radio station we  
8 mentioned, right?

9 A. One second, please. Okay. I -- I don't know.  
10 Sorry.

11 Q. Okay. I'm at Tab 3, Page 2, of Appendix 3, the  
12 main questions.

13 A. Okay. I'm there now.

14 Q. All right. I'm asking about the second full  
15 paragraph there.

16 A. Yes.

17 Q. "Now we would like to ask you about the value  
18 you get from the different features of that station's  
19 programming when you listen to that one station over  
20 the Internet."

21 CHIEF JUDGE BARNETT: Excuse me,  
22 Ms. LeMoine.

23 Ms. Ablin, this is marked restricted.

24 Is there anything about this that is  
25 confidential?

1 MS. ABLIN: Your Honor, the only thing in  
2 this binder that is restricted is, in fact, the  
3 iHeart demographic data behind Appendix 2 so anything  
4 else is fair game for public discussion.

5 MS. LEMOINE: That is good news. I don't  
6 intend to go into the details of that demographic.

7 BY MS. LEMOINE:

8 Q. So what I want to ask you about is that phrase,  
9 "the value you get." You don't define anywhere what  
10 you mean by the phrase, "the value you get," from  
11 these relative features?

12 A. It is plain English and it is not further  
13 defined. That's correct.

14 Q. So the respondents' view of the value is what  
15 controls?

16 A. It says value and then later it specified that  
17 it is relative value. You see that in the next  
18 paragraph.

19 Q. But we don't know whether the respondents are  
20 all applying the same definition of value, do we?

21 A. Well, okay. There are clearly differences  
22 across consumers in value determination, that is why  
23 my standard deviations are high, so agreed, but we  
24 have two anchor points. Everybody understands what  
25 no value means and everybody understands what all of

1 the value means, so I have an anchor at zero and I  
2 have an anchor at a hundred, and that is consistent.

3 Furthermore, in the pretests, we tested that  
4 very carefully, people are very comfortable with that  
5 question. They do understand the difference between  
6 the value, let's say, from a contest versus the disc  
7 jockey.

8 Q. Let me ask you about the pretest now that you  
9 mentioned that.

10 JUDGE STRICKLER: Before you go on to the  
11 pretests, I want to go back a couple of questions,  
12 Counsel is requesting.

13 With regard to the question that the --  
14 basic key survey question asking the one radio  
15 station you listen to most, how does your survey  
16 avoid a problem where people may have listened to --  
17 who responded, might have disproportionately listened  
18 to a certain type of niche radio station, that is to  
19 say, maybe you got 90 to be extreme, 90 percent of  
20 your survey respondents are sports fans, ardent  
21 sports fans and they all listen to WFAN or the  
22 equivalent, and therefore they would put a very low  
23 value on music because that's the way it works. Is  
24 it your randomized sample that avoids that or  
25 something else?

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1 THE WITNESS: Well, it is first of all, a  
2 randomized sample and the fact that we are starting  
3 from a broad base of the U.S. population, 1.7  
4 million. Secondly, if -- let me take your sports  
5 example, if people's liking for sports information is  
6 so high that it totally dominates all others, they  
7 could easily listen to a sports station, and then  
8 they would be disqualified because there is a  
9 screener question that asked for the types of  
10 stations that they listen to and if the play music  
11 station is not in there, then the person is  
12 disqualified. So we have a check on that  
13 possibility, and other than that, that is sort of,  
14 you know, the beauty of randomized sampling that you  
15 get all kinds of people in there, and they average to  
16 the numbers that I have produced.

17 JUDGE STRICKLER: Thank you.

18 BY MS. LEMOINE:

19 Q. So going back to my previous point, I want you  
20 to assume that we have two radio stations. All  
21 right?

22 U.S. based commercial radio stations.

23 A. Yes, over the Internet.

24 Q. All right. One plays one song an hour, and one  
25 plays ten songs an hour. Now both of those stations

1 play music, right?

2 A. Yes.

3 Q. So what is the relative -- doesn't that differ  
4 -- is that different from the user's perspective,  
5 not the supply side, but what the user is  
6 experiencing?

7 A. Yeah, but you see, you are describing -- I'm  
8 going to assume that your two examples are realistic.  
9 You are describing the choices that people have  
10 across stations. If I am somebody who likes more  
11 music, then I will favor that second one, the one  
12 with the ten songs per hour. Ten is what you said,  
13 right?

14 I think you had one versus ten.

15 Q. Yes.

16 A. And again, I am not asking people to make  
17 choices among alternatives. They've already made the  
18 choice. We already know that they need to focus on  
19 their favorite station, and yes, if that favorite  
20 station plays much more music than any other station,  
21 but not a hundred percent or we would be in a  
22 different category, then that particular consumer  
23 would probably answer in that direction. Somebody  
24 else will answer in a different direction.

25 The fact that people are different in their

1 valuation doesn't bother me. In fact, it is  
2 precisely what I want, because I want to recognize  
3 that there are differences across people as there are  
4 differences across stations, and free market system  
5 produces an opportunity to match up the supply side,  
6 what is being offered with consumer's valuation. The  
7 only assumption I'm making here is the standard  
8 assumption in consumer's choice theory, and that is  
9 that people maximize their utility. In other words,  
10 people do not deliberately punish themselves, they  
11 try to do things that they enjoy.

12 Q. But I have already -- it's important that there  
13 is a value implicit in making the choice between the  
14 ten song station and the one song station. It is not  
15 necessarily reflected in your test.

16 A. Well, but I am not asking questions about the  
17 one song station versus the ten song station. Okay.  
18 I am taking a large subsample of people and I'm  
19 asking them for their valuations and I am reporting  
20 on those percentages. And that is what I was asked  
21 to do.

22 Q. So the respondents gave an average value of  
23 5.6 percent to advertising, correct?

24 A. Yes.

25 Q. And we don't know what kind of value, based on



1 your questions, those respondents believed was  
2 attributable to advertising, do we?

3 A. Yes, we do. That is what that 5.6 percent is.

4 Q. 5.6 percent means the entertainment value for  
5 advertising?

6 A. Yes, and the information.

7 Q. All of them?

8 A. Sorry, what all of them mean?

9 Q. All of the different meanings of the word value  
10 are noticed?

11 A. Yes. Okay. Advertising provides admittedly  
12 different type of value then let's say music. And so  
13 the total, let's say the one hour program, for a  
14 given station, total value is composed of all these  
15 different components. I am asking consumers to  
16 allocate these points, in the constant sum gain or  
17 scale that I designed and I am getting a reasonable  
18 representation of that mix, and I do agree with you  
19 that it will vary across stations. Of course it  
20 will.

21 Q. So we are talking about relative value.

22 A. Yes.

23 Q. But your Question 5 asked for the relative  
24 value of a feature -- of the features, but it doesn't  
25 address what that value is relative to, does it?

1       A. Well, okay. It is relative to the anchor  
2 points, zero and a hundred. That is what constant  
3 sum does. Because consumers find it easy to  
4 understand what a hundred percent means. It means  
5 everything, so for example, if I really only value  
6 music and nothing else, I will go to an all music  
7 station. Which would not be in my sample here  
8 incidentally.

9           But if I value other things, I will allocate my  
10 time to whichever station delivers a mix that kind of  
11 comports with what I enjoy, and that is what I am  
12 capturing.

13           JUDGE STRICKLER: In that regard, I asked  
14 you before about whether or not you had people who  
15 responded to the survey and had numbers less than a  
16 hundred or you said more than a hundred too. You  
17 said they would have been prompted by the software to  
18 go back and do it again. How often did that happen?

19           THE WITNESS: Not very often. We know  
20 that because the response times are very reasonable  
21 and people who struggled and took a lot of time were  
22 cut off because we didn't allow anybody to take more  
23 than 30 minutes to complete a survey. That is what  
24 the pretest helps us with. People were very  
25 comfortable, with a few exceptions which are the I

1 don't knows or I'm not sure, and we have a small  
2 number of those.

3           The ones who answered the questions felt  
4 comfortable with the answers. We know that from the  
5 pretest.

6           JUDGE STRICKLER: You say very few, either  
7 at the first cut who participated ended up -- summing  
8 up less than a hundred or more than a hundred, can  
9 you put any more meat on those bones? Do you know  
10 what the percent was that had to go back and retake  
11 the test?

12           THE WITNESS: Well, yes. No, I'm afraid I  
13 can't get that much detail, but I do know -- I  
14 believe we had about 30 people so this is off memory,  
15 I'm sorry, who answered I don't know or I'm not sure.  
16 You can reasonably assume it's because whatever  
17 mechanism they used, it just didn't do the job for  
18 them. I don't know if that is because they couldn't  
19 add the numbers to a hundred, or if they didn't want  
20 to start the exercise to begin with. That, I do not  
21 know.

22           JUDGE STRICKLER: Does the fact that most  
23 of the respondents did add up to 100 provide you with  
24 any opinion as to whether or not they understood what  
25 the phrase relative value meant?

1 THE WITNESS: Yes.

2 JUDGE STRICKLER: Could you explain your  
3 answer?

4 THE WITNESS: Well, it's because of my  
5 anchor points, and because of the evidence from the  
6 pretests. When we literally asked if we would give  
7 them the task, and they are okay with answering it,  
8 the anchor points are important. It's important that  
9 people understand there is something on the radio  
10 right now that gives me absolutely no value. Zero.  
11 In other words, I would just as soon not have it.  
12 Okay.

13 And there is another part that gives me a  
14 hundred percent of the value meaning I wish this  
15 program or this station had only that, whatever that  
16 is. And then the rest is in between, so my anchor  
17 points are clearly defined, therefore, my value is  
18 relative to the anchor points.

19 JUDGE STRICKLER: No disutility -- no  
20 negative numbers, but somebody could say Robin Thicke  
21 of minus 20.

22 MS. LEMOINE: Who would do that, Your  
23 Honor?

24 THE WITNESS: No. We have -- it's not a  
25 disutility exercise. It is a utility exercise and

1 incidentally, there is good literature on the notion  
2 of consumer value and the notion, for example, some  
3 interesting work that was done at MIT that people are  
4 actually quite comfortable with relative value, and  
5 more comfortable with relative value than with  
6 absolute value.

7 MS. LEMOINE: Just a couple more  
8 questions.

9 JUDGE FEDER: I have a question. Winding  
10 back to the beginning of your presentation, we are  
11 talking about U.S. based commercial AM FM music  
12 formatted radio stations.

13 THE WITNESS: Over the Internet.

14 JUDGE FEDER: Over the Internet. I think  
15 I heard you say in answer to the question a short  
16 while ago, that an all music format would not be  
17 included in the survey?

18 THE WITNESS: Okay. I have to be -- by  
19 the same token, I have to be a little bit careful  
20 here. There is a screener question that asked for  
21 the types of activities that people used, and let me  
22 get the exact wording on that so that I can give you  
23 an exact answer to your question. One minute,  
24 please.

25 There is a question in Appendix 4 on Page

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1 9 that asks which of the following do you personally  
2 do in a typical week, and we expect -- we expect --  
3 people are allowed to check several categories there,  
4 but they have to check the first one which is the  
5 segment that we are talking about. In other words,  
6 the one that you just summarized.

7 Then we go into these U.S. based AM FM  
8 radio stations over the Internet and then we ask,  
9 well, what types do you listen to, and what we want  
10 there is we want to see -- again, people are allowed  
11 to check several categories, that's fine, but they  
12 have to check the first one. Let's see what the  
13 first one says.

14 Commercial stations that play music and  
15 then some examples, either with or without other  
16 programming. That is the specific category.

17 So let's say that somebody only listens to  
18 NPR and checks only Box 2, even though there is music  
19 on NPR, that person will not be in the sample. And  
20 by the same token, all news, all talk, all sports, is  
21 also a disqualifier.

22 JUDGE FEDER: But all music is not?

23 THE WITNESS: All music, well, presumably  
24 with advertising, because it's commercial, would be  
25 fine so long as it is originating from terrestrial AM

1 FM stations. That has to be the origin.

2 JUDGE FEDER: Thank you.

3 BY MS. LEMOINE:

4 Q. So Dr. Hanssens, you could have asked -- we  
5 don't know anything about -- let me strike that.

6 You did not test respondents whether -- whether  
7 and how respondents' relative value estimates  
8 affected their behavior with regard to listening, did  
9 you?

10 A. Let me think about this for a minute. I was  
11 not asked to do that, so no.

12 Q. So we don't know from your tests whether --  
13 strike that.

14 You could have asked respondents, for instance,  
15 the relative value of these features to their  
16 decision to listen or to keep listening?

17 A. Okay. All right. Couple of things. First of  
18 all, I have something in the other -- in the reverse  
19 order. In other words, before asking the weight  
20 question or the value question, I asked several  
21 questions about their typical listening behavior.

22 So for example, is it in the morning or in the  
23 afternoon, is it in the car or at home, and how many  
24 hours per week and so forth, so we have -- and the  
25 music guide, so those we have. So first, we

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1 established the behavior, okay. Then we asked people  
2 to focus and we let them pick freely, no answer --  
3 there is no answer that's wrong on their favorite  
4 station, the choices have already been made, and then  
5 we say, what do you value, but I did not do the  
6 reverse which is what you are asking about which is  
7 first ask about the value and then ask, what station  
8 did you pick.

9 As I mentioned before, this is not a choice  
10 exercise. This is a relative value exercise.

11 Q. So we don't know how the relative value ties in  
12 to the choices that a consumer would make?

13 A. Well, we do, on the very simple premise that  
14 people act in their best interest. If they like rock  
15 music, they listen to rock music and not to classical  
16 and so forth. So that is a simple assumption we all  
17 make in consumer theory, because human behavior  
18 theory as well as in economics, that people maximize  
19 their utility.

20 Q. We don't know, for example, based on these  
21 relative value results, whether someone would decide  
22 to listen or not to listen if there were no music at  
23 all?

24 A. Let me think about this. So there is no music  
25 at all, do you mean anywhere? That is a sad country.



1 Q. No, I mean the station has no music.

2 A. Okay. But it is not in the sample. This would  
3 be all talk station.

4 Q. Right. What I am saying is, you don't know  
5 based on someone having a valuation of music of 57  
6 percent, say, to 43 percent, whether they would  
7 decide to listen if that 57 percent was not present  
8 on the station?

9 A. Ah. I don't know for every individual, but I  
10 do know about some individuals. In other words, the  
11 ones who place a hundred percent -- let's say that  
12 the alternative is all talk. The ones who place a  
13 hundred percent value on all talk, they will listen.  
14 The others that have less than a hundred percent on  
15 talk, may or may not.

16 As I said, it is a strange hypothetical because  
17 I cannot imagine a world without music.

18 Q. So how many people in your survey put some  
19 value for each element, do you recall?

20 A. Well, I don't have that exact breakdown,  
21 although you and I would have the data so we can  
22 determine that, but you see some of that on Page 9  
23 with the percentiles. I can explain that if you  
24 would like me to.

25 Q. It is 25 percent, right?

1       A. The 25 percentile, yes. So for example, let me  
2 pick the news category. There are people who  
3 definitely place no value at all on news. The 25  
4 percentile for music is a valuation of 30. So  
5 everybody -- well, maybe not everybody, but the  
6 lowest percentile is assigned at least some value to  
7 mean. That is not true for the other categories as  
8 you see there.

9               JUDGE STRICKLER: Professor, a question  
10 just so I understand the ability, the extent to which  
11 we can use your analysis. You have basically done a  
12 ranking, so it is an ordinal value of utility,  
13 ranking the preferences in the first, second, third,  
14 fourth, plays like that, given relative weights,  
15 correct?

16              THE WITNESS: I did not ask to rank order.  
17 It's an interesting question. Remember, that we  
18 randomized the ordering? If it had been open-ended,  
19 then it could have been rank order, because you may  
20 have mentioned the most important thing first, et  
21 cetera, but not really, we actually -- we actually  
22 want people to assign these values which of course  
23 result in a rank ordering, but the question was not a  
24 rank ordering question. The question was a relative  
25 value question and that is different.

1 JUDGE STRICKLER: Within the zero to  
2 100 --

3 THE WITNESS: Correct.

4 JUDGE STRICKLER: More specific ordinal  
5 numbers in terms of percentages?

6 THE WITNESS: Yes. Yes. And again, we're  
7 talking about scaling properties here, because we  
8 have the anchor points zero and 100, we really do  
9 have something that is ratio scale data, certainly  
10 integral scale data and very close if not perfect to  
11 ratio scale data.

12 JUDGE STRICKLER: We don't have these are  
13 like -- sort of like difference squares from the way  
14 for utility, maybe not exactly that, but you don't  
15 have any budget lines going in -- so we don't know  
16 how much people would actually pay through your study  
17 because that wasn't the purpose of your study, how  
18 much people would pay for these values?

19 THE WITNESS: Everything is free radio  
20 here, so I don't have any dollars or willingness to  
21 pay. So you are right. Yeah.

22 JUDGE STRICKLER: There is a follow-up  
23 question to that. I'm not sure there is, maybe not.

24 BY MS. LEMOINE:

25 Q. Just to sort of close the loop on that last

1 line of questions.

2 If a user reflected a 30 percent relative value  
3 for music, that doesn't tell you whether that person  
4 would continue listening if the station stopped  
5 playing music, right?

6 A. I'm thinking a minute. Okay. So if the  
7 30 percent music -- now the station stops playing  
8 music. And is this in a world with competition or  
9 without competition?

10 Q. Assume a world with competition.

11 A. Well, then, the -- that particular listener  
12 will get tired of his or her, quote, favorite station  
13 and switch to something that has more music.

14 Q. And you know that based on the 30 percent?

15 A. Yes.

16 Q. Okay. So let me ask you about how you  
17 reflected the conclusions of your study.

18 So you say that music respondents gave it an  
19 average value of 52.7 percent?

20 A. Yes.

21 Q. And the next highest relative value was a  
22 relative value of 12.5 percent, right?

23 A. Yes.

24 Q. For news. Then the next was 12.2 percent?

25 A. Averages, yes.

1 Q. And then local events is 7.2?

2 A. Agreed.

3 Q. And advertisement is 5.6?

4 A. Agreed.

5 Q. So music was the most important piece of the  
6 elements you surveyed, right?

7 A. It -- as counted as a single category, it has  
8 the highest share of value points.

9 Q. By a sizable margin, right?

10 A. Well, that depends on if you are contrasting to  
11 one other program, I think element, so for example,  
12 compared to contests, yes, but compared to all other  
13 combined, well, it is 57, 43, so that is not really  
14 hugely dominant.

15 Q. But, in fact, music is nearly five times as  
16 valuable as the second -- as anything else you  
17 surveyed, any other individual elements?

18 A. So the next highest is news at 12 and a half,  
19 so the value points are a little bit less than four  
20 times. I'm sorry. Five times.

21 Q. But you add the non-music elements together,  
22 the six non-music elements you listed?

23 A. Yes.

24 Q. And you consider that as a block?

25 A. Well, it is called non-music.

1 Q. Right. So you could have asked respondents to  
2 rank music and non-music, right? You give a relative  
3 value of music and non-music.

4 A. I'm going to think about this for a minute.

5 Okay. Theoretically I could have done that.  
6 In other words, one can ask a question as you just  
7 proposed. I would view that as not as good a  
8 representation of people's preferences for these  
9 programs, for the simple reason that these other  
10 categories do exist and that they are just -- news is  
11 different from contests, for example.

12 I wanted consumers to be able to -- or  
13 respondents to express themselves in that way.

14 Q. You can also have tested six different things  
15 that were relevant to the music category you were  
16 looking at and one non-music category, right?

17 A. Just a second. So is this question that I  
18 decomposed music in six parts?

19 Q. Yes.

20 A. Can you give me an example of what that might  
21 be?

22 Q. You used it in your report, I think. The  
23 composition, the sound recording?

24 A. Yeah, okay.

25 Q. The placement. Different elements of the

1 music.

2 A. Yeah. I actually tried that.

3 Q. You tried that?

4 A. Yeah, I tried that.

5 Q. Okay. And you -- what were the results?

6 A. Here's what happens. Because of the  
7 interesting sound recording, and I think I have  
8 previously spoken about at least three of these  
9 components, there may be more because you mentioned  
10 six, we tried it and people have a hard time. We did  
11 it twice.

12 The first time on 12 people and five out of 12  
13 say, I can't do that. In other words, it is an  
14 additional question that says now think about music.  
15 What part of your music value comes from the  
16 components. Well, the few answers that we did get do  
17 show that there are components with nonzero value.

18 In other words, it is not all composition, it's  
19 not all sound recording. There are multiple  
20 components. That we know. But five out of 12 had a  
21 problem. I immediately stopped that and say, I don't  
22 want to appear before this panel here with such  
23 results. So we did it again.

24 We reword it, try to make it a little bit  
25 easier and this time, we got -- I think we tested the

1 second time on nine people, two out of nine had  
2 problems. Say the question is not meaningful to me,  
3 I don't know how to answer it.

4 Well, two out of nine is not too bad. Maybe 22  
5 percent or so, but I did not want to go forward. It  
6 did not meet my quality standards for subcategorizing  
7 music and that is why my results are limited to what  
8 you see.

9 Q. So what you have done though, is you said, I'm  
10 going to give you options, six of which are not about  
11 music and one of which is music, and I'm going to ask  
12 you to distribute a hundred points based on their  
13 relative value.

14 A. Yes.

15 Q. So we are looking at one weight on one side and  
16 the cumulative -- the product of six on the other?

17 A. Yes.

18 Q. Does that seem biased to you?

19 A. No. Here is the reason why. The -- it will be  
20 problematic if my other categories had been -- I'll  
21 call it numerous, like 20 or so, which we could have  
22 done. Okay. We want to keep it reasonable and you  
23 know reasonable when everybody is okay with it in the  
24 pretests. But look carefully at these other  
25 categories.



1           There is a real difference between, for  
2   example, disc jockeys and news. Those are  
3   fundamentally different and therefore, if I lump them  
4   together, I am asking people to compare apples and  
5   oranges. But because they are different, A, and  
6   because they are well understood, B, and because  
7   there is not too many of them just five, I am able to  
8   get reasonable answers, and as I have said earlier,  
9   music -- I don't subcategorize in what type of music,  
10   whether it is classical or rock because the user has  
11   already made that decision because I have already  
12   asked him to pick their favorite station, and in  
13   terms of your other question about composition versus  
14   sound recording, I tried and as I said, it is, at  
15   least within this survey, it was simply too hard to  
16   do.

17       Q. So you have asked people whether their favorite  
18   station plays music, right?

19       A. Well, go back to the exact wording. Yes.

20       Q. Now does a radio station that plays music, is  
21   that the same as a music formatted station in your  
22   mind?

23       A. Okay. I realize that my report says music  
24   formatted station. It's my understanding that for an  
25   expert audience, like the people in this room, that

1 is a term everybody understands. That is why the  
2 report uses it, but I never use that term with my  
3 audience which I cannot assume are experts. I just  
4 said they play music with or without other things.

5 Q. So one song an hour, ten songs an hour, doesn't  
6 matter?

7 A. Yeah. That's fine.

8 Q. All right. Let me ask you one last question  
9 about your pretest.

10 You asked 12 people whether there were  
11 questions that were unclear or hard to answer, right,  
12 in your pretest?

13 A. Okay. I have to be a little bit careful there.  
14 As I mentioned, there are different pretest, the big  
15 quantitative pretest, which had many more people in  
16 it that never saw that question, that question on  
17 music decomposition. So that is a separate pretest.  
18 It was before we went with the finally selected  
19 survey that we did small sample testing on whether  
20 all questions were well understood and that is when  
21 we discovered the problem with the -- I'm just going  
22 to call that the music decomposition question now,  
23 but that didn't go any further than a test on 12 and  
24 a test on 9.

25 Q. You just asked them, were any questions unclear

1 to you?

2 A. I forgot exactly how it was done. It is  
3 actually simpler than that. It is giving people the  
4 question. This is in person by the way. This is not  
5 over the Internet and sitting with them and  
6 observing, and people will just simply look at you  
7 and say, I don't know how to deal with this. I can't  
8 do this in my head.

9 When you hear that several times, you put a  
10 stop to it because that just says this is really hard  
11 to do. At least within the compounds of this survey.

12 MS. LEMOINE: Right. No further  
13 questions.

14 JUDGE STRICKLER: I have a question for  
15 you, Professor.

16 On your Demonstrative No. 9, which is your  
17 results for the key question.

18 THE WITNESS: Yes.

19 JUDGE STRICKLER: Maybe this was asked and  
20 answered and I apologize if I missed it, but the  
21 three columns with percentiles, those percentiles  
22 represent what?

23 THE WITNESS: The midpoint of 50th percent  
24 that is the median. That is the easiest to  
25 understand. Of course you understand what the mean

1 is, but if we took 50 percent of the people on the  
2 high end and 50 percent on the low end, we would  
3 arrive at a weight of 60. So if we take 60 as the  
4 answer, then we would be able to say, well, 50  
5 percent of the people thought it was higher and 50  
6 percent thought it was lower.

7 JUDGE STRICKLER: And then 60 for music,  
8 for example?

9 THE WITNESS: Yes, I am using music.

10 JUDGE STRICKLER: As a median.

11 THE WITNESS: It is a median, yeah, and  
12 the 25th percent, if you wanted to say, well,  
13 three-quarters of the people value at least what in  
14 music, and it is at least 30 percent, and therefore,  
15 below 30 percent is only a quarter of the people, and  
16 interestingly, some of these categories on the 25th  
17 percentile are actually zero.

18 JUDGE STRICKLER: So because those are  
19 percentiles and median, there is no reason why the  
20 bottom all non-music categories combined should total  
21 up?

22 THE WITNESS: That's correct.

23 JUDGE STRICKLER: Thank you.

24 REDIRECT EXAMINATION BY COUNSEL FOR NAB

25 BY MS. ABLIN:

1 Q. Just a couple of questions, Professor Hanssens.

2 Let me direct your attention to Appendix 4,  
3 second to last page of the binder in front of you.

4 A. Page 16?

5 Q. Yes. So first of all, what was Appendix 4?  
6 What is included there?

7 A. This is a screenshot. It is exactly what  
8 people saw on their screen.

9 Q. And so can you just describe from here what  
10 consumers -- particularly looking at the first  
11 sentence, what were consumers told when they were  
12 asked this Question 5 or key question?

13 A. Well, it is exactly as it reads there. First  
14 of all, it announces the question, it makes sure that  
15 you focus on your favorite station, and then once  
16 again, it repeats that it has to be Internet and so  
17 forth. And then it asks the value question, very  
18 simple there. We would like to ask you about the  
19 value you get from all these features.

20 And then it says, well, how are you going to do  
21 that, where were you going to do that, by assigning a  
22 weight, and what sort of a scale do I use? Well, no  
23 value at all, it's zero, if all the value is a  
24 hundred, and you put the points in between, see that,  
25 and then people fill in the numbers.

1 Q. And when the respondents were asked this  
2 question and told to focus on commercial radio  
3 stations that play music, were they given any  
4 examples of what type of station that would include  
5 in this question?

6 A. The examples are given there, yes. You can  
7 read them, pop, country, rock, et cetera.

8 Q. So again, what were they?

9 A. Well, I'm reading here. Such as pop, country,  
10 rock, urban and Christian music.

11 Q. Did those all describe music intensive  
12 stations?

13 A. Well, I don't claim to be that they are  
14 exhaustive, but they are certainly good examples.

15 Q. Let me ask that a different way: Do those  
16 describe various genres of music?

17 A. Of course.

18 MS. ABLIN: Okay. Thank you.

19 JUDGE FEDER: Just one quick question.  
20 Are Internet-based surveys generally considered as  
21 reliable as other survey methods, such as telephone  
22 surveys or in-person surveys.

23 THE WITNESS: I would say that that  
24 depends largely on the nature of the survey and the  
25 objective of the survey.

1           So for example, surveys that rely heavily  
2 on people's expertise, for example, surveys, let's  
3 say of medical doctors in a certain specialty, where  
4 the questions get very technical and the answers are  
5 not easily distinguishable from each other because of  
6 technical detail, those are best done in person, in a  
7 real conversation in other words. Or at least on the  
8 telephone.

9           On the other hand, let me call that now  
10 relatively simple surveys, where you really draw your  
11 inference from the large numbers and from the fact  
12 that you need efficiency, and you need absence of  
13 coding, if at all possible, Internet works very well.  
14 It is -- it has become a medium that virtually  
15 everybody in the country has access to.

16           Ten years ago, it might have been a  
17 problem because you would have been sampling from an  
18 audience that is not representative of the entire  
19 U.S. population, but nowadays, with the spread of the  
20 Internet, we don't have any problem there.

21           So for that reason, and of course, the  
22 digital interface is wonderful because it avoids the  
23 kind of errors that you have with paper surveys where  
24 people are not sure whether one box was checked  
25 versus another box, so those are some reasons why

1 these surveys are considered to be reliable. If they  
2 are the right method for the right kind of survey.

3 JUDGE FEDER: Thank you.

4 MS. LEMOINE: No follow up.

5 MS. ABLIN: No, Your Honor.

6 CHIEF JUDGE BARNETT: Thank you,  
7 Dr. Hanssens.

8 THE WITNESS: Thank you.

9 CHIEF JUDGE BARNETT: You may be excused.

10 MR. JOSEPH: Your Honors, NAB and Pandora  
11 call Dr. Steven Peterson if you are ready for it.

12 CHIEF JUDGE BARNETT: This probably is a  
13 good time for us to take -- it is a little early for  
14 our recess but let's do that now, give you time to  
15 spread binders around.

16 (A short recess was taken.)

17 CHIEF JUDGE BARNETT: Please be seated  
18 except for the witness.

19 STEVEN R. PETERSON, Ph.D.,  
20 being first duly sworn, to tell the truth, the whole  
21 truth and nothing but the truth, testified as  
22 follows:

23 DIRECT EXAMINATION BY COUNSEL FOR NAB AND PANDORA

24 BY MR. JOSEPH:

25 Q. Good afternoon, Dr. Peterson.



1 A. Good afternoon.

2 Q. Would you please introduce yourself and spell  
3 your last name so that we can distinguish you from  
4 the first witness that appeared here this morning?

5 A. Yes. My name is Steven R. Peterson, and the  
6 last name is spelled P-E-T-E-R-S-O-N.

7 Q. Please turn to Appendix A in the binder in  
8 front of you which is actually behind Tab NAB Exhibit  
9 4013.

10 A. Yes.

11 Q. Is that your CV?

12 A. It is.

13 Q. Is it still true and correct?

14 A. Yes, it is.

15 Q. Could you please briefly describe for the Court  
16 your educational background?

17 A. Yes. I have a bachelor's degree in economics  
18 from the University of California at Davis and a  
19 Ph.D. in economics from Harvard University.

20 Q. Your CV says you are an executive vice  
21 president at Compass Lexecon.

22 Can you please tell the Court what you do at  
23 Compass Lexecon?

24 A. I'm an economic consultant. I do applied  
25 economics research and studies for my clients. This

1 is usually in the realm of litigation, regulation,  
2 mergers, competition and antitrust work. I also do  
3 class actions analysis, particularly in the antitrust  
4 field and in antitrust suits and commercial disputes,  
5 I regularly work on damages analysis -- analyses and  
6 testify to damages.

7 Q. Have you served as an economic expert before in  
8 litigation?

9 A. I have.

10 Q. In how many cases have you served as an  
11 economic expert?

12 A. I have filed expert reports in about 18  
13 matters.

14 Q. Have you previously served as an expert in  
15 matters involving music licensing issues?

16 A. Yes. I recently testified on behalf of the  
17 Radio Music License Committee in its litigation  
18 against SESAC that involved whether SESAC had market  
19 power in the market for the licensing of the  
20 performance of musical works. I also recently filed  
21 comments in the DOJ proceeding addressing whether or  
22 not the consent decrees governing ASCAP and BMI  
23 should be modified.

24 MR. JOSEPH: Your Honors, NAB and Pandora  
25 offer Dr. Peterson as an expert in applied economics.

1 MR. POMERANTZ: No objection.

2 CHIEF JUDGE BARNETT: Dr. Peterson is so  
3 qualified.

4 JUDGE STRICKLER: Can you hold on a  
5 second. I just want to get something.

6 BY MR. JOSEPH:

7 Q. Dr. Peterson, did you submit written rebuttal  
8 testimony in this proceeding?

9 A. I did.

10 Q. Is the document behind the tab labeled NAB  
11 Exhibit 4013 a copy of that testimony?

12 A. Yes, it is.

13 Q. To the best of your knowledge, is the testimony  
14 still true and correct?

15 A. Yes, it is.

16 Q. Please take a look at the back of the main  
17 document before you get to Tab A.

18 Is that your declaration and signature?

19 A. It is.

20 MR. JOSEPH: Your Honors, we offer NAB  
21 Exhibit 4013.

22 MR. POMERANTZ: No objection, Your Honor.

23 CHIEF JUDGE BARNETT: Exhibit 4013 is  
24 admitted.

25 (NAB Exhibit No. 4013 was admitted into

1 evidence.)

2 BY MR. JOSEPH:

3 Q. Dr. Peterson, what was your assignment in this  
4 matter?

5 A. My assignment was to review and analyze  
6 Dr. Blackburn's direct testimony with regard to the  
7 entry count and survival of Webcasters, and to  
8 analyze also his analysis of promotion and  
9 cannibalization.

10 Q. And did you have an assignment with respect to  
11 Dr. McFadden?

12 A. Yes. I reviewed his survey and analysis of  
13 that survey, estimating the willingness to pay for  
14 the features of music services and evaluated whether  
15 or not that information could be used to support  
16 Dr. Rubinfeld's interactivity adjustment.

17 Q. I am going to ask you about some of your  
18 conclusions here today, and I will leave the rest for  
19 the written rebuttal testimony.

20 Let's talk first about Dr. Blackburn's  
21 discussion of Webcaster entry, survival rates and  
22 growth.

23 What were your main conclusions concerning  
24 Dr. Blackburn's discussion of those issues?

25 A. Well, first, with regard to entry count,

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1 survival and so forth, I don't find that analysis to  
2 be informative at all, because what it shows is that  
3 there is some entry and that Webcasters that enter  
4 survive for some period of time, but that would be  
5 the case whether rates -- whether the rates that  
6 those Webcasters pay for the performance of sound  
7 recordings were set at monopoly levels or were set at  
8 competitive levels.

9 So that analysis just doesn't tell us anything  
10 informative about the rates that the Webcasters are  
11 paying.

12 Q. Do you believe that Dr. Blackburn looked at the  
13 right data for his analysis?

14 A. No. Dr. Blackburn looked at all of the  
15 Webcasters together in his analysis, but the question  
16 that we have is whether there is a difference in  
17 performance of Webcasters when they pay different  
18 rates, so when we look at Webcasters who are paying  
19 rates that are at or near the CRB commercial rate, we  
20 actually find different results. Particularly with  
21 regard to survival, we find that the Webcasters  
22 paying the higher rates survive at a significantly  
23 lower rate or fail at a higher rate.

24 Q. And did you reanalyze Dr. Blackburn's data to  
25 reach those conclusions?

1 A. I did.

2 Q. In response to Dr. Blackburn's claim about  
3 Webcaster growth, did you analyze the growth of  
4 Webcasting to see how it related to the licensed fee  
5 rates being paid by different categories of  
6 Webcasters?

7 A. I did.

8 Q. Let me ask you to turn to the first  
9 demonstrative slide of the two that we handed out  
10 this afternoon.

11 Would you please explain this figure to the  
12 Court?

13 A. Yes. This is a figure from my report and what  
14 I did in this figure was calculate the payments to  
15 SoundExchange that would have been made had rates  
16 stayed at the 2007 level. So the changes in the  
17 levels of the lines on this chart are related to  
18 changes in the number of streams, not to changes in  
19 the rates.

20 Q. And what do you conclude from the results that  
21 you see on Figure 5?

22 A. Well, I mean, to summarize Dr. Blackburn's  
23 theory seems to be that rates really don't matter and  
24 are not choking off growth, but when we peel back the  
25 -- peel the union one layer on his analysis, what we

1 find is that the types of Webcasters that are paying  
2 higher rates have substantially less growth than  
3 other Webcasters.

4 Q. Let me switch subjects to investment in  
5 Webcasting.

6 Do you remember that Dr. Blackburn cites an  
7 article claiming that there was \$839 million invested  
8 in Webcasting and on-demand streaming in 2013?

9 A. I do.

10 Q. Did you review that article?

11 A. I did.

12 Q. What did you find?

13 A. Well, I found that none of that amount of  
14 investment was invested in statutory noninteractive  
15 Webcasting.

16 JUDGE STRICKLER: Where was it invested?

17 THE WITNESS: Those amounts were invested,  
18 I think, in some video, online video, on-demand  
19 Webcasting. I'm sorry.

20 And I should also add it was not invested  
21 in any of those that paid at commercial rates. So I  
22 misspoke. Apologies.

23 JUDGE STRICKLER: In that last regard, you  
24 are speaking of distinguishing between  
25 noninteractives that paid at the commercial rate

1 versus some other settlement rate?

2 THE WITNESS: That's correct. So let me  
3 start over.

4 I found that they didn't pay --that no  
5 investments were made in Webcast -- not into  
6 statutory Webcasters that pay at the statutory CRB  
7 rate.

8 JUDGE STRICKLER: I don't want to jump  
9 ahead. Perhaps we will get into that in more detail,  
10 but when you say there was more investment made in  
11 noninteractives who were paid at the statutory rate  
12 compared to those who paid -- who paid at the  
13 settlement rate rather than at the statutory rate,  
14 assume that the rates -- the statutory rates have  
15 expiration dates.

16 THE WITNESS: Yes.

17 JUDGE STRICKLER: And the investments are  
18 investments that are anticipated to generate a return  
19 over a period of time longer than the statutory  
20 period. Would that be a fair statement?

21 THE WITNESS: I think that is a fair  
22 statement.

23 JUDGE STRICKLER: So wouldn't a prudent  
24 investor not necessarily be concerned solely with the  
25 existing rates that might otherwise expire rather



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1 soon relative to the time horizon for the return on  
2 investment?

3 THE WITNESS: That is a possibility. The  
4 analysis is limited to the fact that the investments  
5 were made in Webcasters that at the time had  
6 preferable lower rates than the CRB rate, or did not  
7 pay or into aggregators that did not pay performance  
8 rates at all.

9 JUDGE STRICKLER: In your evidence that  
10 you rely on and your analysis doesn't say that there  
11 was a short time horizon that these investors had  
12 with regard to whether their return would be  
13 coextensive with the statutory period or the  
14 settlement period of the rates.

15 THE WITNESS: That's correct.

16 JUDGE STRICKLER: Thank you.

17 BY MR. JOSEPH:

18 Q. Dr. Peterson, let's turn to your review of  
19 Dr. McFadden's data.

20 Have you examined Dr. McFadden's results?

21 A. Yes. We recreated Dr. McFadden's results.

22 Q. Are you offering any critique of Dr. McFadden's  
23 analysis?

24 A. Well, I am not offering a critique of his  
25 conjoint survey. I understand Dr. Hauser will do

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1 that. I accept his results as they come. I also  
2 have accepted his hierarchical-based analysis, so my  
3 analysis of his work essentially provides some  
4 detailed information that flows from his work that he  
5 did not present in his testimony.

6 Q. Would you describe that detailed information,  
7 please.

8 A. Yes. Dr. McFadden presented the average  
9 willingness to pay for -- of his respondents for  
10 features of streaming services, and I have prepared  
11 some pictures showing the detailed -- showing the  
12 distribution of the willingness to pay for different  
13 respondents, so basically, he is able to calculate a  
14 willingness to pay for each respondent, for each  
15 feature, and I provide that detail.

16 Q. So do you have a demonstrative that illustrates  
17 what you found concerning that detail and for at  
18 least one of the issues Dr. McFadden addressed?

19 A. I do.

20 Q. That, I take it, is the second demonstrative  
21 sheet that we've handed out; is that correct?

22 A. Yes, it is.

23 Q. Would you please walk the Court through what is  
24 depicted on that second demonstrative slide?

25 A. Yes.

1 JUDGE STRICKLER: Before you do, is this  
2 demonstrative a reproduction of something from your  
3 written rebuttal testimony?

4 THE WITNESS: Yes, it is. It's Figure 9  
5 in my testimony.

6 JUDGE STRICKLER: Thank you.

7 THE WITNESS: So this is one of several  
8 histograms in my direct testimony. What this one  
9 shows is the willingness to pay for a -- the features  
10 in a premium on-demand service relative to the  
11 features that you would find in an ad-supported free  
12 to the user on-demand streaming service.

13 So the features that are represented here  
14 are things like offline listening and a full  
15 on-demand service on a mobile phone for example.

16 BY MR. JOSEPH:

17 Q. And what are your key takeaways from this  
18 chart?

19 A. Well, first, it's important to recognize since  
20 what I've compared the premium service to is  
21 something that is free to the user or has a  
22 subscription fee of zero. This is the willingness to  
23 pay more than zero dollars a month for the premium  
24 service, so we can think of this as willingness to  
25 pay every month for the premium service.

1           And so there are a few takeaways. First, a  
2 premium service typically costs about \$10 and what we  
3 see is the average willingness to pay is \$2.53. So  
4 the average willingness to pay is substantially lower  
5 than what we see for a standard subscription service,  
6 and in fact, if everyone had the average willingness  
7 to pay, no one would sign up for a subscription  
8 service so that says it's important to look at this  
9 distribution as the detailed information that  
10 Dr. McFadden testified, to understand how the market  
11 is working and those who might be choosing to pay a  
12 high price for a subscription service every month.

13       Q. What is the significance of the lines that are  
14 below the zero dollar willingness to pay?

15       A. Well, this happens for a number of -- or for  
16 all but one of Dr. McFadden's features, and that is,  
17 that there is a group, at least some of his  
18 respondents have a negative willingness to pay for  
19 that feature and here, there is a group of  
20 respondents who have a negative willingness to pay of  
21 approximately \$8 for the features that are included  
22 in a premium service but not included in the  
23 ad-supported service.

24           JUDGE STRICKLER: On this Figure 9, the Y  
25 axis, share represents share of what?

1 THE WITNESS: That would be the share of  
2 respondents so if you added up all the lines, they  
3 would add up to one, if you added up the heights.

4 BY MR. JOSEPH:

5 Q. Dr. Peterson, can you tell from this chart  
6 approximately what percentage of respondents had a  
7 willingness to pay for a premium service of less than  
8 zero?

9 A. Yes. That is in the table on the right and  
10 that is approximately 35 percent have a negative  
11 willingness to pay.

12 Q. What do you, as an economist, take from the  
13 significant number of people who have a negative  
14 willingness to pay for features of a service that you  
15 might expect to be desirable?

16 A. Well, since the features that are here would  
17 tend to be desirable, one of two things must be true.  
18 It could be the case that people have a very low  
19 willingness to pay for some of these features and for  
20 music services, and so this is a statistical  
21 analysis, there are errors and things could be  
22 leaking over onto the negative side of the ledger,  
23 and that would just be consistent with an overall low  
24 willingness to pay.

25 Another possibility could be that people were

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1 selecting the free option and Dr. McFadden's survey  
2 for some reason that, you know, we don't understand.

3 Q. What does the survey show about how many  
4 respondents would be willing to pay the \$10 price  
5 that I think you identified as the average marker of  
6 the typical market price for a premium subscription  
7 service?

8 A. Roughly, 17 percent would be willing to pay the  
9 \$10 monthly service fee based on this comparison of  
10 only two services.

11 Q. And what does the qualification of -- based on  
12 this comparison of only two services mean?

13 A. Well, out in the marketplace, of course, there  
14 are many services and so there could be services or  
15 other ways of obtaining music that someone prefers  
16 more than the premium subscription service, in which  
17 case they would not pay \$10 for the premium  
18 subscription service.

19 It's possible that someone has a different  
20 second choice that they prefer to the ad-supported  
21 service here and so the willingness to pay over a  
22 different second choice might be less than \$10. So  
23 this 17 percent here just reflects a comparison  
24 between two services and would overstate the number  
25 of individuals that would actually choose the \$10

1 service.

2 Q. Let's change slightly the focus on

3 Dr. McFadden's data.

4 Have you reviewed Dr. Rubinfeld's use of

5 Dr. McFadden's data?

6 A. I have.

7 Q. Does Dr. McFadden's analysis support

8 Dr. Rubinfeld's interactivity adjustment?

9 A. It does not.

10 Q. Why is that?

11 A. First, Dr. Rubinfeld completes his model by

12 developing the interactivity adjustment which is a

13 ratio of prices. It's the average subscription price

14 for an on-demand services to the average subscription

15 price for a statutory service, and he then references

16 an interactivity adjustment based on the willingness

17 to pay estimates of Dr. McFadden, and indicates -- I

18 think he would use them in the same way, but as we

19 have seen with the histogram, there is not a

20 relationship between average willingness to pay

21 across Dr. McFadden's respondents and prices in the

22 market.

23 So there's -- any comparison -- any similarity

24 between those two things numerically is just

25 happenstance.

1 Q. Do you have anything to say about the  
2 relationship between what the retail price measures  
3 and what Dr. McFadden's willingness to pay estimates  
4 measure in connection with the use of the survey to  
5 support Dr. Rubinfeld's analysis?

6 A. Yes. As it turns out, the features that are  
7 measured by the prices Dr. Rubinfeld uses are  
8 different than the features that are included in  
9 Dr. Rubinfeld's analysis of the interactivity  
10 adjustment based on estimates of willingness to pay.

11 There are two ways to see that. In the first,  
12 when -- let's just take Pandora for example. If  
13 someone is going to upgrade from Pandora to Pandora  
14 One, one of the features that is offered is improved  
15 sound quality. And certainly the subscription price  
16 is covering improved sound quality as part of what  
17 the new subscriber is paying for.

18 But improved sound quality is not included in  
19 Dr. McFadden's study, so it is just absent from the  
20 willingness to pay estimate of the interactivity  
21 adjustment. Second --

22 JUDGE FEDER: Can I stop you there? Why  
23 is that significant?

24 THE WITNESS: Well, because the  
25 willingness to pay estimate is based on -- is



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1 measuring the value of a different set of features  
2 than the prices. Once again, there is not a  
3 relationship between the prices and the willingness  
4 to pay estimates, and there's -- the interactivity  
5 adjustment, based on the two, really shouldn't  
6 necessarily be the same. There is no reason to  
7 believe they would be the same, so they are the same  
8 based on happenstance.

9           One isn't supporting the other because  
10 they should be the same for any economic reason.

11           JUDGE STRICKLER: I'm sorry, were you  
12 finished?

13           THE WITNESS: Yes.

14           JUDGE STRICKLER: You say they are the  
15 same by happenstance. I noticed that you said that  
16 in your report. Could an argument be made though  
17 that Dr. Rubinfeld has determined his interactivity  
18 adjustment a certain way by doing the ratios of  
19 subscription prices as relative to the ratio of  
20 royalties per play, and Dr. McFadden did it in the  
21 conjoint version and one serves as a check upon the  
22 other? They are different methods, no doubt, but the  
23 fact that they come up to be approximately equal in  
24 the neighborhood of 2.0, does that suggest sort of --  
25 if you will, for lack of a better phrase, a sanity

1 check of one on the other?

2 THE WITNESS: No, I don't think so,  
3 because there is no reason they should be the same  
4 when they are not even measuring the same thing, and  
5 Dr. Rubinfeld doesn't give us any theory of how we  
6 would close out his model, if you will, using a ratio  
7 of willingness to pay estimates for the two types of  
8 services.

9 I mean, it's different. It's just  
10 different than the assumption that he talks about as  
11 the way he is going to complete his model. So he  
12 does have a number of 2.0 but -- or near 2.0, but  
13 that is all he has. Unless that number should come  
14 out to 2.0 if the ratio of prices and the ratio of  
15 estimates of willingness to pay would come -- should  
16 be the same, then they can't really be a check on  
17 each other.

18 They are measuring -- willingness to pay  
19 is not related to prices necessarily or in any  
20 general way, and the two methods are measuring the  
21 values of different sets of features.

22 JUDGE STRICKLER: Is there any  
23 relationship in your opinion between the fact that  
24 willingness to pay I think was for 17 -- the \$10 or  
25 more in your histogram was reflected 17 percent of

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1 the market as you pointed out or 17 percent of the  
2 respondents?

3 THE WITNESS: Of the respondents, yes.

4 JUDGE STRICKLER: Of the respondents. And  
5 the fact that -- does that fact, the fact that -- let  
6 me try this again.

7 To me, willingness to pay is \$2.53 and  
8 yet, the market price is \$10. Is there any  
9 reflection of market power in that difference or can  
10 you not glean that from this data? The difference  
11 between \$10 and 2.53.

12 THE WITNESS: I would say that what it  
13 suggests is that there is price discrimination going  
14 on with regard to the pricing of the subscription  
15 on-demand services, in that they are targeted at a  
16 set of individuals with a willingness to pay, that is  
17 much higher than average.

18 JUDGE STRICKLER: That begs the question,  
19 to me anyway, if it's price discrimination as of now,  
20 we had our discussion right now, it involves one  
21 price, the \$10 a month price, so where is the price  
22 discrimination? Where is the other price or other  
23 prices in the discriminatory process?

24 THE WITNESS: I mean, there are different  
25 prices for different licenses. I think you make a

1 good point. That is probably better off to say that  
2 it's less price discrimination than the -- the price  
3 is set to maximize profits for a group of individuals  
4 that are at the top end of the distribution of  
5 willingness to pay, and so these are people who  
6 appear not to want to use pirate services and are  
7 quite unusual in the distribution of willingness to  
8 pay, and so what we can say is that the license fees  
9 and the -- ultimately, then the prices of the  
10 services, you know, is not driven to the same level  
11 as what is pointed to as competition, which would be  
12 pirate services and other services.

13 JUDGE STRICKLER: Thank you.

14 BY MR. JOSEPH:

15 Q. Dr. Peterson, just one last question: Do you  
16 understand Dr. McFadden's study to serve any purpose  
17 in this proceeding, other than as an input into  
18 Dr. Rubinfeld's secondary approach for calculating  
19 his interactivity adjustment?

20 A. I'm not aware of any other use for it.

21 MR. JOSEPH: I have no further questions.

22 MR. POMERANTZ: Your Honor, I have three  
23 subjects to cover with Dr. Peterson and I've  
24 reordered them, so the first two are public and the  
25 last one is not.

1 CHIEF JUDGE BARNETT: Thank you.

2 CROSS-EXAMINATION BY COUNSEL FOR SOUNDEXCHANGE

3 BY MR. POMERANTZ:

4 Q. Good afternoon, Dr. Peterson.

5 A. Good afternoon.

6 Q. You understand that the current statutory rate  
7 for commercial Webcasters is 23 cents?

8 A. Yes.

9 Q. I am using 23 cents in the way that we have  
10 been using it in this proceeding.

11 A. I should say per 100 or --

12 Q. But you understand, what I mean 23 cents, that  
13 I am including all the zeros in that?

14 A. Yes.

15 Q. All right. You understand that the current  
16 rate for broadcasters under the NAB settlement is 25  
17 cents, correct?

18 A. I do.

19 Q. And you are not here to offer an opinion as to  
20 whether either of these rates is competitive or not  
21 competitive, right?

22 A. I'm not.

23 Q. So let's look at what we do know about the  
24 number of Webcasters that are competing in the  
25 market.

1           Let's do, as you suggest, let's limit our  
2 discussion today to just those commercial Webcasters  
3 who are paying at or near the current statutory  
4 rates. Okay?

5       A. Okay.

6       Q. Is it fair to say that what we do know from the  
7 available data is that there is more than a thousand  
8 Webcasters that are today paying at or near the  
9 statutory rates?

10      A. I believe that is correct, yes.

11      Q. Is it fair to assume that each of these  
12 Webcasters is in the market because it believes it  
13 can make a profit in the market?

14      A. Well, I don't know that they believe they are  
15 going to make a profit going forward from where they  
16 are today.

17      Q. Well --

18               JUDGE STRICKLER: Just so I understand the  
19 back and forth on this question. You set it up by  
20 asking about the 23 cents for the statutory rate and  
21 then the 25 cents for the NAB settlement, correct?

22               MR. POMERANTZ: Correct.

23               JUDGE STRICKLER: The thousand Webcasters  
24 includes the simulcasters in that question?

25               MR. POMERANTZ: Correct, Your Honor.

1 BY MR. POMERANTZ:

2 Q. Is that how you understood it?

3 A. It is.

4 Q. What you are saying is that your belief is that  
5 each of these commercial Webcasters, including the  
6 simulcasters, when they entered the market, they  
7 thought they were going to make a profit in the  
8 market, correct?

9 A. I would agree with that. Basic economic  
10 principle, sure.

11 Q. They were aware of whatever the then current  
12 statutory rate was when they entered the market,  
13 correct?

14 A. Yes, presumably so.

15 Q. So at that rate, they thought they could make a  
16 profit, correct?

17 A. That's correct.

18 Q. And there is over a thousand of them still in  
19 the market today, correct?

20 A. Yes.

21 Q. Now you criticize Dr. Blackburn for comparing  
22 the survival rates of Webcasters to the survival  
23 rates in other industries, correct?

24 A. I do.

25 Q. You believe that comparing Webcaster survival

1 rates to the survival rates of other industries  
2 doesn't provide us with any meaningful insights,  
3 correct?

4 A. That's right. There's no reason that a  
5 simulcast -- a radio station starting a simulcast  
6 distribution mode should necessarily -- that we  
7 should observe the simulcast having a lifetime that  
8 is similar to new businesses that are being born  
9 necessarily, for example.

10 Q. In other industries?

11 A. And in other industries, that is right, with  
12 different risks and rewards.

13 Q. Are you aware that the NAB has another expert  
14 in this case named David Pakman?

15 A. I believe I have heard the name. I haven't  
16 read his testimony.

17 Q. So is it not something you read or reviewed  
18 before you submitted your rebuttal testimony,  
19 correct?

20 A. It is not.

21 Q. Are you aware that Mr. Pakman expresses views  
22 in his testimony that compares the survival rates for  
23 Webcasters with the survival rates of other  
24 industries?

25 MR. EGIN: Objection, Your Honor. The



1 witness just testified he has not read the testimony.

2 Mr. Pomerantz is reading pieces of the testimony.

3 MR. POMERANTZ: I'll withdraw the  
4 question.

5 BY MR. POMERANTZ:

6 Q. If Mr. Pakman testified that he thinks it's  
7 reasonable to compare the survival rates of  
8 Webcasters to the survival rates of an entity --  
9 let's say, entities in the mobile communication  
10 industry, you would disagree with that comparison,  
11 correct?

12 A. Yeah. My opinion is that, in fact, there would  
13 need to be an analysis to support that, certainly.

14 Q. Then you, in your report, you recalculate the  
15 survival rate that Dr. Blackburn calculated in order  
16 to look at only those Webcasters that are paying at  
17 or near the statutory rates, correct?

18 A. Yes.

19 Q. But you don't have an opinion as to whether  
20 your adjusted figures are or are not consistent with  
21 effective competition, correct?

22 A. I have not reached a conclusion. In fact, my  
23 point is simply that Dr. Blackburn seems to say that  
24 rates don't matter. That is a demonstration that  
25 rates do matter to the calculations he made, but the

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1 fact that I have made that adjustment doesn't tell us  
2 any more about the rates.

3 It's still an uninformative analysis with  
4 regard to whether the rates for performance licenses  
5 are at a competitive or above competitive level.

6 Q. So just to be clear, you do not have an opinion  
7 as to whether your adjusted rates for survival are or  
8 are not consistent with effective competition,  
9 correct?

10 JUDGE STRICKLER: The rates, you're  
11 talking about the survival rates?

12 MR. POMERANTZ: The survival rates in  
13 Figure 1 of his report. If you want to --

14 JUDGE STRICKLER: I just wanted to make  
15 sure you are talking about survival rates.

16 MR. POMERANTZ: Yes. That is what we're  
17 talking about.

18 THE WITNESS: Yes. Well, it's true for my  
19 rates, it's true for his rates. I mean, they are  
20 calculated using the same methods, and my testimony  
21 is that those are -- that is an uninformative  
22 analysis. The point of my Figure 1 is to demonstrate  
23 that rates do matter to the performance of Webcasters  
24 and Dr. Blackburn suggested that that is not the  
25 case, so that figure is really there for a different

1 point.

2 BY MR. POMERANTZ:

3 Q. Then a few minutes ago, Mr. Joseph and Judge  
4 Strickler were asking you questions about investments  
5 in noninteractive services.

6 Do you recall that?

7 A. Yes.

8 Q. The point of your written testimony on that  
9 subject was simply to look at an article that  
10 Dr. Blackburn had cited and to show, in your view,  
11 that it was not supporting what he said, correct?

12 A. That's correct.

13 Q. So you were just looking at one article, right?

14 A. I was responding precisely to what he had said,  
15 yes.

16 Q. So you are not saying that there hasn't been an  
17 significant investment in noninteractive services in  
18 recent years, correct?

19 A. We have to talk about significance. There has  
20 been investment across all noninteractive services.  
21 That article didn't describe any in the categories  
22 where, you know, the rates tend to be higher.

23 Q. For example, iHeartRadio pays at or near the  
24 statutory rates, correct?

25 A. Yes.

1 Q. And they've been investing in their  
2 noninteractive services, correct?

3 A. Presumably so.

4 Q. You are aware that Google bought a  
5 noninteractive service called Songza, correct?

6 A. They did.

7 Q. You are aware that Apple has been investing in  
8 its iTunes Radio service, correct?

9 A. It started it, yes. I don't know what the  
10 current investments are.

11 Q. That is a noninteractive service as well,  
12 correct?

13 A. It is.

14 Q. Let's move to the conjoint in your discussions  
15 regarding Dr. McFadden and Dr. Rubinfeld.

16 You agree that the results of a conjoint study  
17 are frequently reported as an average willingness to  
18 pay, correct?

19 A. Yeah. I don't think Dr. McFadden made a  
20 mistake by reporting that. I am just saying that his  
21 analysis provides more information than that, and  
22 that is interesting in and of itself and was relevant  
23 to my analysis of whether his analysis could support  
24 Dr. Rubinfeld's calculation of an interactivity  
25 adjustment.

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1 Q. So it's fair to say that it's very common for  
2 people who work with conjoint studies to report their  
3 work through using average willingness to pay,  
4 correct?

5 A. I know that that's done, certainly.

6 Q. You are not an expert in conjoint studies,  
7 correct?

8 A. I am not a certified expert, no.

9 Q. But you have never conducted a conjoint study  
10 before or reported its results, correct?

11 A. That's right.

12 Q. And you have never used a conjoint study as  
13 part of your work as an economist, correct?

14 A. Not a conjoint study, no.

15 Q. Now in running the experiment, Dr. McFadden  
16 used a sample, correct?

17 A. Well, he had a set of respondents. Is that  
18 what you mean by sample?

19 Q. Yes.

20 A. Yes.

21 Q. And he estimated the willingness to pay for  
22 each respondent in the sample, correct?

23 A. That's correct.

24 Q. And he estimated -- and then he calculated --  
25 strike that.

1           Then he estimated an average willingness to  
2 pay, correct?

3           A. That's correct.

4           Q. And he calculated the standard error for this  
5 average, correct?

6           A. Yes. Based on -- if I recall, the individual  
7 willingness to pay or something like that.

8           Q. All right. You looked at the individual  
9 estimates for each respondent to the survey, correct?

10          A. That's right.

11          Q. But you did not calculate the standard error  
12 for each of those individual estimates, correct?

13          A. I have not, no. I have the mean estimate.

14          Q. I'm going to now turn to the third subject of  
15 your testimony that Mr. Joseph did not ask you about,  
16 which is the promotion and substitution issues that  
17 you addressed in your written testimony.

18                   MR. POMERANTZ: I am probably going to be  
19 moving into a couple of confidential documents at  
20 this point, Your Honor.

21                   CHIEF JUDGE BARNETT: Anyone in the  
22 hearing room who has not signed a nondisclosure  
23 certificate, please wait outside.

24                   (THIS ENDS PUBLIC SESSION)

25                   (RESTRICTED SESSION BOUND SEPARATELY)

Capital Reporting Company  
Day 14 In Re: Determination of Royalty Rates (Public) 05-14-2015

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1 (THIS BEGINS PUBLIC SESSION)

2 MR. JOSEPH: We are getting our next  
3 witness, Your Honor.

4 CHIEF JUDGE BARNETT: Before you are  
5 seated please raise your right hand.

6 ROMAN WEIL,  
7 being first duly sworn, to tell the truth, the whole  
8 truth and nothing but the truth, testified as  
9 follows:

10 DIRECT EXAMINATION BY COUNSEL FOR NAB

11 BY MR. MILLS:

12 Q. Good afternoon, Professor.

13 A. Howdy.

14 Can you hear? Am I doing okay with this?

15 Q. Maybe a little closer.

16 A. Closer. How's this?

17 Q. Thank you.

18 Professor, for the record, my name's  
19 Christopher Mills, representing the National  
20 Association of Broadcasters.

21 Could you introduce yourself and spell your  
22 name for the record.

23 A. I'm Roman, middle initial L, Weil, W-E-I-L.  
24 First name is R-O-M-A-N.

25 Q. Thank you.



1           Could you give us some of your background  
2 including your education and experience?

3           A. After I graduated from high school in  
4 Montgomery, Alabama, in the late '50s, I went to Yale  
5 where I got a bachelor's degree in mathematics and  
6 economics. Then I went to Pittsburgh and went to  
7 what was then called Carnegie Tech, now called  
8 Carnegie Mellon University, and I got a master's  
9 degree in industrial administration and a Ph.D. in  
10 economics. That ended my formal education.

11           Then I went to the University of Chicago in  
12 1965, and my real education began. You learn more as  
13 a professor than you do as a student.

14           And I've had an affiliation with the University  
15 of Chicago since 1965, going up through ranks with  
16 titles in mathematical economics, computer science,  
17 information science, and for the last four years as a  
18 professor of accounting and now have a title of  
19 professor emeritus. "Emeritus" used to mean earned  
20 by merit. It now means merely old.

21           In the intervening 45 years, I've been a  
22 visiting professor at a dozen universities, Harvard  
23 in the east to Stanford in the west.

24           In the past year I've been a professor at  
25 Princeton, where my students will take a final exam

1 next week, Georgetown, and the University of  
2 California San Diego.

3 During that period, I have written textbook,  
4 professional reference books, lay people's articles;  
5 refereed journal articles, peer-reviewed articles.

6 I have served on various professional  
7 committees to accountants and then to the SEC, for  
8 example, of accounting boards. I've done consulting.  
9 That's where I get most of my industrial experience.  
10 Real world experience is consulting.

11 And I served on -- in corporate boards. And I  
12 have run some executive education programs. So I  
13 educate corporate directors and senior executives.

14 Q. Okay. And any publications of particular  
15 interest for this matter?

16 A. There is one that is right on to this matter.  
17 Five or six years ago I wrote a chapter in one of the  
18 professional reference book called -- the reference  
19 book is called "The Handbook of Cost Management."  
20 And the chapter is called "The Allocation of Cost and  
21 Revenue."

22 That particular chapter followed the very first  
23 publication I ever had in the American Economic  
24 Review in the 1960s on the allocation of cost. So  
25 I've been thinking about the allocation of costs and

1 revenues essentially my entire career. But the most  
2 recent one was in this book, and I've quoted from it  
3 in my report.

4 Q. Okay. And have you served on any accounting  
5 advisory boards?

6 A. I have not served on any boards like the  
7 Financial Accounting Standards Board. But I've  
8 served on various committees and groups that advise  
9 those boards or advice the FASB, the Financial  
10 Accounting Standard Board in the U.S., the  
11 International Accounting Standards Board in London  
12 the public company accounting oversight board here in  
13 Washington, and the SEC here in Washington, all in  
14 various aspects of accounting and auditing.

15 Q. Okay. And on any boards of directors of  
16 companies we might have heard of?

17 A. Yes. The only one you might have heard of are  
18 the mutual funds affiliated with New York Life  
19 Insurance that are called MainStay Funds.

20 Q. And any audit committees of boards?

21 A. The audit committees of all of those boards,  
22 which are -- I think of them as one big board.  
23 They're really technically 80 different boards  
24 because they're 80 different mutual funds. But I  
25 think of it as one.

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1           And then I served on the audit committees of  
2   some small companies that you would not have heard of  
3   going bankrupt at the moment, but they're not  
4   bankrupt yet.

5           MR. MILLS:   Okay.  I'd like to offer  
6   Professor Weil as an expert in financial economics  
7   and managerial accounting.

8           MR. OLASA:   No objection, Your Honor.

9           CHIEF JUDGE BARNETT:  Professor Weil is so  
10   qualified.

11          BY MR. MILLS:

12         Q.  Professor, you've been handed a black binder.

13                 Do you see in that binder a tab marked NAB  
14   Exhibit 4011?

15         A.  Yes.

16         Q.  Okay.  Behind that tab is there a report?

17         A.  Yes.

18         Q.  Thank you.

19                 And did you submit written testimony in this  
20   case?

21         A.  I wrote some testimony, and you submitted it.

22         Q.  Okay.  Thank you.

23                 And does this appear to be a copy of that  
24   written testimony?

25         A.  Yes.

1 Q. And is there a signature page sort of in the  
2 middle there before the appendices?

3 A. Yes.

4 Q. Is that a copy of your signature?

5 A. Yes.

6 MR. MILLS: Okay. Your Honor, we offer  
7 NAB Exhibit 4011.

8 MR. OLASA: No objections, Your Honor.

9 CHIEF JUDGE BARNETT: 4011 is admitted.

10 (NAB Exhibit No. 4011 was admitted into  
11 evidence.)

12 BY MR. MILLS:

13 Q. Professor, could you summarize what you were  
14 asked to do in this matter.

15 A. Yes. I have this demonstrative exhibit.

16 Does everybody have a copy? Is it on a screen  
17 somewhere? Or are we just --

18 Q. Everyone has a copy.

19 A. Everyone has a copy. All right.

20 So my assignment is on 3003. So I was asked to  
21 look at the proposal of SoundExchange for the thing  
22 that I've seen other witness refer to as a prong, one  
23 of the aspects of the structure that is being  
24 proposed for royalty payments where they're looking  
25 at a percentage of what's called attributable

1 revenue. Percentage of revenue under certain cases  
2 will be the royalty payment.

3 And I was asked to look at the proposal in the  
4 SoundExchange document for the change in the audit  
5 structure from requiring a CPA to merely asking for  
6 an industry expert.

7 The CPA is an industry -- needs to be an  
8 industry expert. But removing the CPA requirement  
9 and just an industry expert. So I've asked to look  
10 at both of those things.

11 Q. Okay. Without getting into the details yet,  
12 Professor, can you give us your top-level findings?

13 A. Yes. My top-level finding with respect to the  
14 notion of having any royalties based on a percentage  
15 of what the proposal called attributable revenue is  
16 that it won't work.

17 It's impossible to do in any uniquely logical  
18 or correct way. It can't be done, as SoundExchange  
19 says, fairly in accord with -- fairly reasonable, in  
20 good faith, in accord with U.S. accounting principal.

21 JUDGE STRICKLER: Good afternoon,  
22 Professor. Question for you. You said it's possible  
23 to do it in any uniquely logical way.

24 If we took away the "uniquely," is it  
25 possible to do it in some -- one or more logical

1 ways?

2 THE WITNESS: There are many different  
3 ways you might choose to do it. But there's no one  
4 that is suggested by accounting principles or logic  
5 for some of it.

6 When I get to expand on this -- and I can  
7 do it now if you like -- we're going to see there are  
8 three things that need to be taken care of in order  
9 to get the costs that you will -- excuse me -- the  
10 revenues you will multiply by a percentage.

11 And there's one of those that you can't  
12 even deal with. Two of them you can. One of them  
13 you can't. And I'll expand on that later or now. Be  
14 your choice, sir.

15 JUDGE STRICKLER: I'll let counsel go  
16 through his organization. So we'll defer. Thank  
17 you.

18 MR. MILLS: Thank you.

19 THE WITNESS: So that's the summary of  
20 that point. It can't be done in a uniquely logical  
21 way. It can't be done, quote, with a fair method in  
22 accord with U.S. generally accepted accounting  
23 principles. It won't work.

24 BY MR. MILLS:

25 Q. And your top-level finding on the other point?

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1       A. The top-level finding on that other point is it  
2 would be a truly backwards step to get rid of the CPA  
3 requirement, to say just an industry expert.

4           The CPA needs to be an industry expert. But  
5 the CPA brings to this task some other things that  
6 the mere industry expert does not. And I think those  
7 things are essential for this process to work  
8 smoothly, at low cost, without litigation. But more  
9 litigation is going to happen anyway.

10       Q. Okay. I want to take a brief step back,  
11 Professor.

12           Are you an expert in the broadcast industry?

13       A. No.

14       Q. Did you do anything to inform yourself of  
15 accounting issues for the broadcast industry?

16       A. Yes.

17       Q. Could you briefly explain that?

18       A. Insofar as I needed to understand the -- some  
19 of the accounting issues about revenue and the  
20 practices in the broadcast industry, I wanted to  
21 learn a little bit about the business models of these  
22 broadcasters and the accounting principles that came  
23 into being.

24           And I asked you to put me in touch with some  
25 accountants and auditors who were expert in the



1 industry, the kind of CPAs who would be doing these  
2 audits I'm referring to in these -- and you  
3 introduced me to a Mr. Garrett at an accounting firm  
4 called Miller & Kaplan, whom I had at least one  
5 conversation. I had maybe two and maybe a  
6 conversation with a partner of his in that firm.

7 But I discussed with him the kinds of business  
8 transactions that went on. And because of those  
9 business transactions, I understood, from my work as  
10 an accounting theorist and teaching these accounting  
11 principles, that there were some applications in  
12 revenue recognition that I thought might be suitable  
13 for the broadcast industry.

14 And I specifically discussed with him why these  
15 would or would not apply. And some of the results of  
16 those discussions are implicit in my report here. So  
17 I discussed with him what I thought I needed to know  
18 to write my report.

19 Q. Okay. And I also want to be clear. There are  
20 many different services in this case.

21 Are you -- in your discussions in your report  
22 and here today, are you talking on behalf of all  
23 services or just broadcasters?

24 A. In this case, "services" is defined, I think,  
25 to exclude -- interactive services, they included or

1 excluded? I think they're excluded. They're  
2 services like -- well, I've lost track of what  
3 services include, that technical word. Sometimes  
4 include interactive service; sometimes it doesn't.

5 Q. Let me be more specific.

6 A. Yeah.

7 Q. So, for example, Pandora is a service in this  
8 matter.

9 A. Pandora is in this room. But I'm not looking  
10 at Pandora. I am looking at broadcasters.

11 Q. Okay. Thank you.

12 A. So all of what I have to say is about  
13 broadcasters, not about a Pandora.

14 Q. Okay.

15 A. And certainly not about interactive services,  
16 which as far as I can see, they're not in this room  
17 at all.

18 Q. Could you give us an overview of your  
19 understanding of SoundExchange's percentage of  
20 revenue proposal.

21 A. So when you do a percentage of revenue, it's a  
22 multiplication of a percentage, which I understand  
23 SoundExchange says should be 55 percent, times a  
24 dollar number which is a revenue.

25 And you're going to hear me say something is

1 impossible for short or not uniquely rationally  
2 possible.

3 I am not saying it is impossible to multiply A  
4 times B. My 14-year-old granddaughter could do that.  
5 She probably could do it when she was 12. She's a  
6 smart kid.

7 What I'm saying is the B is not possible to  
8 get. And so what I want to talk about is where does  
9 the B come from. The A is a 55 percent.

10 And so SoundExchange proposes to get this  
11 revenue pot by what some people have called a  
12 subtractive process. Don't build it up from the  
13 bottom. We start with the top, with all the revenues  
14 that were broadcast or what they call gross revenues.  
15 Then they take out some things like sales taxes and  
16 some other things like the sales of CDs. And they  
17 get a number called adjusted revenue. That's  
18 unexceptional. I have no problem with that.

19 Then they take adjusted revenue, and they  
20 shrink it in two steps to something they call  
21 attributable revenue. And that attributable revenue  
22 is the B, the revenue which is multiplied by the 55  
23 percent.

24 And I want to talk about the two steps that  
25 shrink adjusted revenue to attributable revenue and

1 show that both of those impossible to do in any  
2 logically correct way -- any uniquely correct logical  
3 way.

4 And I want to point out a third shrinkage that  
5 has to be done that this proposal doesn't even  
6 address at all and, therefore, is faulty.

7 So in their proposal, the first step is the  
8 bundling problem. When a broadcaster sells an ad to  
9 an advertiser, oft times the advertiser pays a single  
10 amount of cash and gets several things.

11 Gets an over-the-air ad, gets a streamed ad.  
12 It gets a banner ad on a website. Looked at a couple  
13 of those as recently as this afternoon, just see what  
14 they look like. Oft times gets the e-mail program,  
15 which sends some blast ads to people a couple of  
16 times a week. They get some sponsored concerts.  
17 Sometimes you don't like when I use example. I even  
18 saw one when they get a sponsored pool party. I  
19 actually saw one of those. Go to the pool party, and  
20 you see the advertisement for the cruise that they  
21 paid for, and they gave a pot of money in one payment  
22 to the broadcaster.

23 So the first step is to take that one payment  
24 for this group of ads and to split it apart into the  
25 thing that is for the streamed broadcast. Unbundling

1 of this multi-attribute piece of revenue, is what  
2 it's called in accounting. Bundling is what it's  
3 called in this matter. That's the first step.

4 Second step that has to be done is, when you  
5 have a broadcast that is over the air and then  
6 streamed, you got to split that apart into the part  
7 that's streamed versus over the air. Because people  
8 in this room know better than I do the part that's  
9 over the air doesn't get a royalty, and the part  
10 that's streamed does. So if there's a single payment  
11 for a broadcast that is simultaneously sent those two  
12 ways, you got to split that apart.

13 And it says do it fair, reasonable and in a  
14 good faith using generally accepted accounting  
15 principles. Doesn't exist in any unique way --  
16 uniquely logical way. Can't be done.

17 And third, the thing that's omitted and I think  
18 is just as important -- they don't address it -- is,  
19 when you have a show -- and I have an example in my  
20 report, and I can give some other examples.

21 When you have a show that's got not just music  
22 but talk and music or music and a sports show or  
23 music and something that's not music, and it's got an  
24 ad, you need to think about how much of that  
25 advertising cash that's coming in is for the music

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1 and how much is for the talk.

2           They don't talk about that at all. At least  
3 one of the witnesses on their side acknowledged that  
4 that's an issue and needs to be dealt with. But it's  
5 not in his proposal.

6           So those are the three aspects of going from  
7 adjusted revenue to attributable revenue to get the  
8 pot B that is multiplied by the percentage.

9           And I say it can't be done in any way that is  
10 unique and that these judges, Your Honor, can write  
11 down in a statute that will be usable by hundreds,  
12 may -- over a thousand, I heard earlier this  
13 afternoon, people in any way that's not going to cost  
14 endless litigation and fights. I just can't see that  
15 it would possibly work.

16       Q. You said you had an example of your music  
17 versus nonmusic. Maybe you could walk us through  
18 that.

19       A. Oh, the music versus nonmusic, the one that's  
20 in my report is from my days as a graduate student.  
21 I'm a lot older than anybody else in this courtroom,  
22 I think.

23           But when I was graduate students in Pittsburgh  
24 in the 1960s, there was a guy on the radio in the  
25 morning named Rege Cordick. And he had 85 percent of

1 the listening audience. There were a dozen radio  
2 stations. 85 percent for one guy. That's because he  
3 was so clever and so funny.

4 And we had the talk part of his show -- that's  
5 why people listened -- and some music. And so, if  
6 Rege Cordick were working today and we had simulcast,  
7 we'd have to allocate the considerable revenues that  
8 those shows generated between the Cordick &  
9 Company -- that's what they called the talk part,  
10 Cordick & Company -- versus the music.

11 And you could think about how to allocate that.  
12 Time, 50/50, because it was half and half. Or  
13 surveys. People say, "Well, I like 80 percent Rege  
14 Cordick, and I like 20 percent music."

15 Or an economist might say, "Look, people are  
16 listening to that show because of Rege Cordick. If  
17 they wanted music, they'd listen to the other ten  
18 stations that are all music. It's a hundred percent  
19 for Rege Cordick and only nominally for the music.  
20 I'd give 99 percent to Cordick and 1 percent to the  
21 music." That would be the economist basis, looking  
22 at what people do. You got to deal with that  
23 problem.

24 Another case that's not in my report, when I  
25 teach, I think students learn better with extreme

1 case. The extreme case that I would use in the  
2 classroom -- in fact, I've used it in the classroom  
3 in one of my teachings this summer -- is I listen to  
4 baseball games on the Internet stream, MLB.com, and I  
5 listen because my son lives in Baltimore. I listen  
6 to the Baltimore Orioles.

7 And when the Baltimore Orioles play the Toronto  
8 Blue Jays at home, Canada, the game is always  
9 preceded by the national anthems of the U.S. and  
10 Canada. And they always sing "O Canada."

11 Now, like Professor Lys, who's a professor of  
12 accounting -- I've known him since he was a student  
13 -- I got this oddball liking for classical music and  
14 western. So I like Celine Dion singing "O Canada"  
15 because that's from Mozart. You know that that tune  
16 was written by Mozart, "O Canada"?

17 So there's one song in a three-hour broadcast  
18 that somebody's going to collect the royalty because  
19 Celine Dion is singing that song. And it doesn't  
20 make sense that all those ads that I'm hearing on  
21 this stream broadcast go to SoundExchange because she  
22 sang that song.

23 Somebody's got to deal with that problem. And  
24 that's not in this report. Not in this proposal.

25 So we got the Celine Dion extreme case. We got



1 the Rege Cordick kind of extreme case where it's all  
2 for the talk and not for music.

3 But, in general, there's talk shows with music  
4 interspersed. Somebody's got to deal with that  
5 problem. And even the expert on the other side  
6 acknowledges it, but we don't see what to do with it.

7 MR. MILLS: Your Honors, I'm mindful of  
8 the time. I'm almost done but looking on to a last  
9 topic. If you want to continue?

10 CHIEF JUDGE BARNETT: Let's go ahead.  
11 Ms. Whittle may get up and leave again at 4:30, but  
12 we'll soldier on without her.

13 MR. MILLS: Okay. Thank you.

14 BY MR. MILLS:

15 Q. All right, Professor. If we could just move to  
16 your second point, CPA point, could you summarize or  
17 go into as much detail as you like on your findings?

18 A. Okey-doke. So the proposal is drop the  
19 requirement for the CPA and use an industry expert.

20 I am not disputing that the person who does the  
21 audit needs to be an industry expert. Goes without  
22 saying. Plenty of CPAs who are industry expert. I  
23 talked to one. Mr. Garrett is an industry expert.

24 But the CPA brings to the party some things  
25 that a mere industry expert needn't bring. First

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1 thing, brings objectivity. Not trying to look for  
2 underreporting or overreporting. He's just trying to  
3 get the right number.

4 The next thing that a CPA brings is some ethics  
5 and some general training that is useful for doing an  
6 audit by passing the CPA exam and taking these ethics  
7 to qualify for doing an audit the way an industry is  
8 not.

9 Now, you may think that's trivial and not  
10 important. But let me ask you lawyers to think about  
11 this. There are a lot of people who can draw up a  
12 will. But we don't let laymen draw up wills. We can  
13 you got to go to law school and learn a whole -- a  
14 number of things that go being a lawyer before we'll  
15 let you draw up a will.

16 JUDGE STRICKLER: It also restricts entry.

17 THE WITNESS: Well, I didn't say that, but  
18 I'm glad you said it. You're an economist, aren't  
19 you? You know about that.

20 My daughter's an MD. And she's told me  
21 that, when you do a hip replacement, the guy working  
22 with the surgeon is the salesman of the hip joint.  
23 And he's capable of doing that surgery maybe better  
24 than the surgeon, but they don't let him do it  
25 because he hadn't been to medical school, and he's

1 not licensed.

2           Maybe that's restricting entry, and maybe  
3 it isn't. But we say the person who's doing that hip  
4 replacement's got to be an MD. Well, that's because  
5 there's some training that goes on in medical school  
6 beyond doing the physical act of doing the hip  
7 replacement.

8           Now, the thing that is I think important  
9 in this particular kind of audit is that the  
10 accountant, the CPA, has, as part of the rule book  
11 that goes with audits, something called an agreed  
12 upon procedure.

13           If you're doing an audit of a royalty, the  
14 CPA knows, because it's part of our procedural book,  
15 to get the parties together ahead of time and agree,  
16 for example, on a standard materiality.

17           We'll get to royalty. We know we don't  
18 need to get it exactly to the penny. That would cost  
19 a lot of money to get it exactly to the penny. Might  
20 have to spend a couple million dollars to do it.

21           Maybe want to spend \$100,000 to get it to  
22 the nearest \$10,000 estimate. Or maybe want to spend  
23 only \$50,000 and get it to the nearest \$5,000  
24 estimate. Or maybe want to spend only \$10,000 and  
25 get it accurate within a \$20,000 estimate.

1 But let's decide this ahead of time  
2 between the party being audited, the broadcaster, and  
3 SoundExchange. Let's agree ahead of time on the  
4 materiality standard and the cost of the audit. So  
5 ahead of time, not with litigation afterwards. CPAs  
6 agreed upon procedures will handle that.

7 Similarly what documents will be fair game  
8 for this auditor in terms of doing the royalty audit?  
9 Let's don't argue about that after the fact, which I  
10 gather might go on now. Let's specify that ahead of  
11 time. Let's have agreed upon procedures to do it.

12 Now, the industry expert could figure out  
13 maybe how to do this and draw up a rule book. But  
14 the CPA's already got the rule book on how to do it.  
15 And I'm not saying CPAs, with the AICPA rule book,  
16 are uniquely qualified to do this.

17 You've probably never heard of a CMA,  
18 certified management accountant. They could probably  
19 do it too. You ever heard of a CIA? That stands for  
20 certified internal auditor. They have exams, and  
21 they have rule book. They might be able to do it  
22 too.

23 But you've got the CPA now in your -- what  
24 do you call it, the statutes?

25 BY MR. MILLS:

1 Q. Regulations.

2 A. Regulations. You got them in your regulations.

3 Don't step back from that. They bring  
4 something useful to the party. They have to be a  
5 industry expert, but you don't need to say that in  
6 the regulation because part of our ethics, we're not  
7 going to take on that engagement unless we know what  
8 we're doing, unless we want to get the equivalent of  
9 disbarred. We don't call it disbarred. You say you  
10 lose your license, you lose your certification if you  
11 try to do a job like that and you're not qualified  
12 for it.

13 So I think it would be a step backwards to lose  
14 the benefits that come with being a CPA.

15 MR. MILLS: Okay. Thank you, Professor.

16 No further questions from me.

17 MR. POMERANTZ: Your Honor, we have  
18 probably 15 or 20 minutes of cross. I don't know if  
19 we want to wait until tomorrow morning or do it  
20 today.

21 CHIEF JUDGE BARNETT: Let's do it.

22 THE WITNESS: I've never seen a lawyer say  
23 20 minutes.

24 MR. POMERANTZ: I'm not the one asking the  
25 questions. He is.

1 CHIEF JUDGE BARNETT: You've never seen  
2 lawyers as good as these.

3 THE WITNESS: Okay. Bet you a nickel.

4 JUDGE STRICKLER: 20 minutes starts now.

5 THE WITNESS: Am I betting you too?

6 JUDGE STRICKLER: No. I don't want to  
7 lose my certification.

8 CROSS-EXAMINATION BY COUNSEL FOR SOUNDEXCHANGE

9 BY MR. OLASA:

10 Q. Good afternoon, Professor Weil.

11 A. Hi.

12 Q. My name is Kuruvilla Olasa, and I represent  
13 SoundExchange.

14 A. Which one of those is your last name?

15 Q. Olasa, O-L-A-S-A.

16 A. Mr. Olasa. Hi.

17 Q. Professor Weil, let's start with your opinion  
18 on audits. And then I have a few questions here.

19 To be clear, in this case we're talking about  
20 royalty audits, correct?

21 A. Yes, sir.

22 Q. And a royalty audit is different from a  
23 financial statement audit, correct?

24 A. No question.

25 Q. Okay. And you would agree with me that, to an

1 accountant, financial statement audits involve  
2 different rigors and standards than royalty audits?

3 A. Certainly generally accepted auditing standards  
4 for financial statements do not apply to royalty  
5 audits. So let me grant that part of your question.

6 "Rigor," I don't know what that means. The  
7 royalty audit could be just as rigorous or less  
8 rigorous or more rigorous than a GAAP audit. So  
9 rigor is not defined in my jargon, in our technical  
10 world. So I'm not sure of rigor.

11 Q. Professor Weil, are you the editor of the  
12 Litigation Services Handbook?

13 A. Yes, sir.

14 Q. And is the title of that handbook "The Role of  
15 the Financial Expert"?

16 A. Some editions are. I'm not sure which edition  
17 you're looking at.

18 Q. Is there a fifth edition of --

19 A. Yes, sir.

20 Q. -- the Litigation Services Handbook?

21 A. Yes, sir.

22 Q. Would you agree that, in contrast to financial  
23 statement audits, royalty audits have a limited scope  
24 and usage?

25 A. Yes, sir.

1 Q. And would you agree that, unlike financial  
2 statements audits --

3 A. Excuse me. Let me ask you, Mr. Olasa, there is  
4 a chapter in the fifth edition --

5 Q. I'm sorry, Professor Weil. Your counsel will  
6 be able to --

7 A. Are you looking at the fifth edition or the  
8 supplement that just came out? Let me just ask you  
9 that. Because there's a new chapter on --

10 Q. I'm looking at the supplement.

11 A. The one that just came out.

12 Q. The one that just came out.

13 A. Okay. Thank you.

14 Q. 2015 cumulative supplement.

15 A. Good. Good. Good. Okay.

16 Q. And you would agree that, unlike financial  
17 statement audits, royalty audits can be performed by  
18 a nonCPA if the contract allows it?

19 A. Yes.

20 Q. And you have not considered what the actual  
21 marketplace contracts say about whether a CPA is  
22 required, correct?

23 A. I'm sorry. I don't understand what you mean by  
24 the marketplace contracts.

25 Q. Professor Weil, have you looked at the



1 contracts between webcasters and record companies in  
2 the market today?

3 A. I certainly have not studied them. I think  
4 I've seen a couple, but I have not studied them. So  
5 let me agree. I have not.

6 Q. Okay. So you don't know whether those actual  
7 marketplace contracts require a CPA or not; is that  
8 correct?

9 A. Yes.

10 Q. So you haven't performed the analysis?

11 A. Yes, I have not.

12 Q. So if the actual marketplace contracts provided  
13 for a nonCPA to provide -- to perform the audit, that  
14 would be acceptable, correct?

15 A. Certainly would be for that particular  
16 contract. We've got a willing buyer and a willing  
17 seller. Whatever they agree to is okay.

18 We're talking about the judges here setting  
19 standards for about a thousand broadcasters that  
20 range from mama-papa to the big ones like iHeart.  
21 You have to apply to everybody.

22 Q. So I want to follow up on that last question.

23 Do you understand that the goal of this  
24 proceeding is to establish rates and terms that most  
25 clearly represent the rates and terms that would have

1 been negotiated in the marketplace between a willing  
2 buyer and a willing seller?

3 A. I could not have quoted those words precisely,  
4 but that sounds like the understanding I have picked  
5 up from the beginning of this. That sounds right.

6 Q. So if a willing -- so willing buyers and  
7 willing sellers would negotiate rates and terms that  
8 did not require a CPA, wouldn't that require these  
9 judges to also not require a CPA?

10 A. If some willing buyers and some willing sellers  
11 would do it, that would give you some evidence that  
12 it was acceptable to those willing buyers and willing  
13 sellers. But it doesn't tell you about a thousand of  
14 them.

15 Q. And how would you tell whether a thousand  
16 willing buyers and willing sellers would agree to not  
17 require a CPA?

18 A. You'd probably want to survey them and ask  
19 them.

20 Q. Would you want to look at many contracts  
21 between actual willing buyers and willing sellers?

22 A. Or -- in addition to that, you might want the  
23 ask the broadcasters.

24 Q. Have you asked a thousand broadcasters?

25 A. I have not asked any broadcaster. So no, I

1 have not.

2 Q. Let's move on to the revenue allocation topic,  
3 Professor Weil.

4 So you believe that the judges should not set a  
5 statutory rate based on the percentage of revenue,  
6 correct?

7 A. I did not say that. What I said was they  
8 should not set based on a percentage of revenue where  
9 the revenue pot is defined the way the proposal from  
10 SoundExchange is.

11 Q. Understood.

12 And that's because difficulties in allocating  
13 revenues would arise; is that correct?

14 A. Well, and possibilities. Not difficulties.  
15 More than difficulties.

16 Q. And you believe that those difficulties can be  
17 avoided by using a per-play fee instead, correct?

18 Well, let --

19 A. That's one way, yes. I hadn't thought about  
20 that way. But yes, I think so. Those difficulties  
21 would be avoided.

22 Q. Well, let me turn your attention to your  
23 testimony on Page 5.

24 You see the sentence starting at Line 188? It  
25 begins with "These allocation issues"?

1 A. Yes.

2 Q. So you believe these allocation issues can be  
3 avoid by sticking with the current per-play royalty  
4 approach, correct?

5 A. Yes. But not uniquely the way to do it, but  
6 that is a way to do it.

7 Q. Sure?

8 A. That's why I hesitated. Because I couldn't  
9 figure out whether you were asking about uniquely or  
10 a way. That's a way.

11 Q. And your testimony does not compare the  
12 downside of a per-play royalty fee approach to the  
13 downside of a percentage of revenue royalty approach,  
14 correct?

15 A. Yes. It does not.

16 Q. And you did not consider whether it could be  
17 difficult for the judges to set a single per-play fee  
18 that works for all webcasters, correct?

19 A. You are right, yes.

20 Q. And you don't address whether the per-play fee  
21 in SoundExchange's rate proposal would need to be  
22 increased to account for removing the revenue prong,  
23 as you suggest.

24 A. I'm sorry. Increase relative to the proposal,  
25 or increase relative what it is today?

1 Q. Relative to the proposal.

2 A. I have not. There is no one today. So it may  
3 be lower relative to one today. So as long as we're  
4 clear. At any rate, I haven't considered what that  
5 fee should be, up, down or sideways.

6 Q. So let me see if I can clean that up.

7 You haven't considered whether a per-play fee  
8 should be adjusted if one were to remove the revenue  
9 prong from a rate proposal; is that correct?

10 A. Correct.

11 Q. When you drafted --

12 A. As a matter of theory, it almost certainly  
13 would be.

14 Q. So as a matter of theory, a per-play rate would  
15 certainly have to be adjusted if you were to remove  
16 the revenue share prong?

17 A. Theory suggests in first principles it would  
18 be. If it were right when it was the lower of two,  
19 and you take away the other one, then it doesn't seem  
20 -- it seems like this one would have to change.

21 Q. It would have to change?

22 A. Almost certainty. But that's just off the back  
23 of an envelope kind of thing. Seems plausible it  
24 would have to change.

25 Q. When you drafted your testimony, were you aware

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1 that Professor Lys had submitted written direct  
2 testimony in this case?

3 A. I am -- you know, this is like Howard Baker.  
4 What did he know, and when did he know it. I know  
5 that Professor Lys had. He was -- I've known him  
6 since he was a graduate student. I do not know when  
7 I knew it. I know now that he did. I don't know  
8 when I learned that he did.

9 Q. Did you consider Professor Lys's testimony in  
10 drafting your written direct testimony?

11 JUDGE STRICKLER: You mean rebuttal  
12 testimony?

13 MR. OLASA: Sorry.

14 BY MR. OLASA:

15 Q. Did you consider Professor Lys's written direct  
16 testimony in drafting your written rebuttal  
17 testimony?

18 A. Am I allowed to ask my counsel whether I read  
19 it ahead of time?

20 Q. Well, let me see if I can refresh your  
21 recollection.

22 A. Okay. Did I refer to it in my report? Do I  
23 have it in a footnote? Do I have it in my documents  
24 referred to?

25 It's a memory test mode? I don't remember.

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1 You're allowed to test my memory. I'm just saying we  
2 could be helpful --

3 MR. OLASA: No. We don't need to do that,  
4 Professor Weil.

5 Permission to hand to the witness --

6 CHIEF JUDGE BARNETT: Certainly.

7 THE WITNESS: I don't see it here.

8 BY MR. OLASA:

9 Q. So is it fair --

10 A. And I told the truth. So I must not have  
11 looked at it.

12 JUDGE STRICKLER: Can we identify the  
13 document that he says he can't see it on for the  
14 record.

15 BY MR. OLASA:

16 Q. Professor Weil, is this the list of documents  
17 considered in preparing your written rebuttal  
18 testimony?

19 A. It is that. Yes, sir.

20 MR. OLASA: Your Honors, I offer this  
21 document, which is the documents considered by  
22 Professor Weil, into evidence.

23 MR. MILLS: No objection.

24 CHIEF JUDGE BARNETT: It doesn't have a  
25 number.

1 MR. OLASA: That's right, Your Honor. I

2 did not --

3 CHIEF JUDGE BARNETT: And the clerk is

4 missing.

5 MR. POMERANTZ: We'll do it tomorrow

6 morning when --

7 CHIEF JUDGE BARNETT: Okay. We'll assign

8 the number tomorrow, and it will be admitted.

9 MR. OLASA: Thank you, Your Honor.

10 JUDGE STRICKLER: Is it part of his

11 testimony already?

12 MR. OLASA: It's not. It was provided to

13 us by counsel, Your Honor.

14 BY MR. OLASA:

15 Q. Professor Weil, when you drafted your

16 testimony, were you aware that Professor Lys had

17 analyzed the benefits and risks of both a pure

18 performance fee rate structure and a percentage of

19 revenue rate structure?

20 MR. MILLS: Objection, Your Honor. I

21 think he just admitted --

22 MR. OLASA: I withdraw the question.

23 CHIEF JUDGE BARNETT: Thank you.

24 BY MR. OLASA:

25 Q. Professor Weil, when you were drafting your



1 written rebuttal testimony, did you ask counsel to  
2 provide you with all relevant documents to your  
3 testimony?

4 A. I can't recall whether I asked that question.  
5 Either -- I certainly don't know whether I asked it  
6 in those words. I don't know if I asked it in that  
7 form.

8 Q. Would you have expected counsel to provide you  
9 with all relevant documents to your testimony?

10 A. I am not certain that counsel would have  
11 provided all documents that you think are relevant.  
12 I think he would provide me with all documents he  
13 would think were relevant. And I'm not sure you two  
14 would agree.

15 Q. Fair enough. Fair enough.

16 Would you consider a document in which  
17 Professor Lys analyzed the benefits and costs of a  
18 percentage of revenue royalty structure to be a  
19 relevant document that you would have wanted to have  
20 considered when you drafted your rebuttal testimony?

21 A. No.

22 Q. You would not have wanted to consider that?

23 A. That's correct. My assignment was to look at  
24 the SoundExchange proposal and to think about the  
25 percentage of royalty proposal. And that's what I

1 did. And I told you what's wrong with it.

2 I was not asked to think about what is right or  
3 wrong with the fee per play. That's not part of my  
4 assignment. Had that been part of my assignment, I  
5 would have asked about the pros and cons of that.  
6 But I didn't do that.

7 Q. If Professor Lys had analyzed the pros and cons  
8 of a percentage of revenue structure, would that have  
9 been relevant to your analysis?

10 A. If he had analyzed the feasibility of doing it,  
11 I would have wanted to know about it. And I have  
12 since read his report. And I know what he did. And  
13 he didn't come close to thinking about the issues I  
14 thought about.

15 He looked at contracts where he defined revenue  
16 as essentially the whole pot without any allocation  
17 problems. Most of the contracts he looked at were  
18 interactive services, not broadcasters with bundled  
19 things. And he did not look at cases that are  
20 relevant for these broadcasters.

21 Now, I didn't see those before my report, but I  
22 have seen them since. So it would not have been  
23 informative.

24 MR. OLASA: Your Honor, I move to strike  
25 the last response as going beyond the scope of

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1 Professor Weil's written direct testimony -- I mean  
2 written rebuttal testimony.

3 MR. MILLS: Your Honor, he asked him three  
4 or four times to talk about Professor Lys.

5 CHIEF JUDGE BARNETT: It was an answer to  
6 your question. So we will not strike it.

7 BY MR. OLASA:

8 Q. Professor Weil, at the time of drafting your  
9 written rebuttal testimony, had you considered any  
10 contracts between record companies and simulcasters?

11 A. That's one of these what did he know, and when  
12 did he know it questions.

13 If it is not referred to in my report and not  
14 in my documents considered list, then no. That's a  
15 -- I don't think so, but I certainly have seen  
16 something.

17 Q. So at the time you drafted your testimony, you  
18 didn't know whether the contracts in the marketplace  
19 were consistent with SoundExchange's rate proposal;  
20 is that correct?

21 A. If I hadn't looked at them, then I could not  
22 know either way, consistent or inconsistent. If I  
23 didn't look at them, I know nothing about them when I  
24 wrote my report.

25 Q. You believe the context of the industry is

1 relevant to your analysis, correct?

2 A. I don't know what you mean by "the context of  
3 the industry." I've looked at the kinds of bundled  
4 revenue that need unbundling. Is that context? I  
5 suppose. And I looked at over-the-air versus  
6 streaming and the fact that congress says there's no  
7 royalties on over the air --

8 Q. Professor Weil, I have a different --

9 A. So I'm just thinking out loud, sir, to answer  
10 your question. Is that context? I'm not sure what  
11 you mean. I think that's context, so it is relevant.  
12 And talk versus nontalk, I think that's context, so  
13 it's relevant.

14 So maybe I shouldn't think out loud. But I  
15 think those three are context and, therefore, in that  
16 sense, relevant.

17 If you mean something else, you have to tell me  
18 what you mean. Context is not a technical term in my  
19 jargon.

20 Q. Let me direct you to Page 3 of your testimony,  
21 Line 111.

22 Would you agree that, in considering the  
23 application of SoundExchange's proposed regulations  
24 to simulcasters, the context of the industry is  
25 relevant?

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1 A. Oh, yes. Okay. In this context, I see what I  
2 mean by context. Yes.

3 Q. Aren't contracts a part of the context of the  
4 industry?

5 A. As that word would be used by laymen, yes.  
6 That's not what I meant here, I can see. Yes.  
7 Context is not a technical word. And it certainly --  
8 there certainly would be an interpretation of that  
9 word that would include contracts.

10 And line 112 I am thinking about hundreds of  
11 radio broadcasters that range in size. That's the  
12 context that I had in mind in writing that sentence,  
13 I can see.

14 Q. Professor Weil, you testified that there is no  
15 uniquely correct way to allocate revenues between a  
16 company's business activities, correct?

17 A. Yes.

18 Q. And when you say "uniquely correct," you mean  
19 that they may be multiple approaches but no reason to  
20 pick one over the other, correct?

21 A. That's correct.

22 Q. And allocating revenues is a general problem in  
23 accounting, correct?

24 A. Sometimes.

25 Q. And this problem is not unique to this context;

1 it exists in many industries, correct?

2 A. Yes.

3 Q. Yet accountants are, in fact, often called upon  
4 to allocate revenues between business activities,  
5 correct?

6 A. Certainly we have accounting principles to do  
7 it, but we are never called upon to do it in a fair  
8 way.

9 JUDGE STRICKLER: Along those lines, you  
10 mentioned how, if it was attempted, you believe  
11 that -- you used a particular word -- but the parties  
12 might end up mired in litigation.

13 THE WITNESS: I'm confident they would be.

14 JUDGE STRICKLER: Have you seen, in your  
15 experience, that when parties anticipate and counsel  
16 for parties anticipate the potential for potential  
17 litigation, that one of the things they do is assign  
18 the auditor -- CPA auditor with the power to make the  
19 determination that will be binding upon the parties  
20 so that they avoid the transaction costs of  
21 litigation?

22 A. I have seen that. But in the contracts that I  
23 have seen, they do even better than that. They  
24 define the pots that have the revenue in them. They  
25 don't go through this allocation. They say, "We

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1 define pot A to include this. We define pot B to  
2 include that." And the willing buyer and the willing  
3 seller agree on that. There's no allocation.

4 The problem with the word "allocation," it has  
5 two meanings in lay language. There's the meaning  
6 that says assigned. We'll assign this revenue to  
7 this pot; we'll assign this revenue to that pot.  
8 That's a legitimate definition of the word  
9 "allocation."

10 But when an accountant uses the word  
11 "allocation," we mean find a formula, find a theory,  
12 find a mechanism for doing a calculation that ends  
13 up.

14 And in this proposal from SoundExchange, it  
15 doesn't mean assignment. It means a formula or a  
16 technique that would generally apply to the thousand  
17 broadcasters, that you crank in some numbers or run  
18 the algorithm, and out comes the numbers.

19 That's what I mean by allocation that won't  
20 work.

21 JUDGE STRICKLER: Because you say there's  
22 no one uniquely correct way to do it.

23 THE WITNESS: And so there will be a  
24 fight.

25 JUDGE STRICKLER: The parties can -- and

1 you say you've seen it in their agreements -- say,  
2 "Despite the fact that there's no uniquely correct  
3 way to do it, we'll agree it's a mechanism to assign  
4 a CPA auditor with knowledge in the industry to make  
5 the determination. And we'll live or die by that  
6 particular individual's determination and treat the  
7 auditor as though he were an arbitrator."

8 THE WITNESS: Right. But when that --

9 JUDGE STRICKLER: You've seen agreements  
10 to the effect.

11 THE WITNESS: Yes, I have. And I think,  
12 if that's going to happen here, it would need to be  
13 in your regulations that you get.

14 You have to say who would pick it, what  
15 kind of person could do it. And I think that would  
16 need to be something that you folks figured out, not  
17 leave it to the parties.

18 JUDGE STRICKLER: Right. Well, we set not  
19 only rates but terms, which is why you're sitting  
20 here today.

21 THE WITNESS: Right.

22 JUDGE STRICKLER: So to the extent we have  
23 the authority to set such a term -- you say you've  
24 seen such terms in the industry, and they're done in  
25 the ordinary course.



1 THE WITNESS: About who would arbitrate  
2 the fight.

3 JUDGE STRICKLER: Right. To avoid --

4 THE WITNESS: And I would like more  
5 guidance for the people to start with than what's  
6 here. I just don't think this is workable.

7 JUDGE STRICKLER: Well, you said that what  
8 was here -- by "here" we mean SoundExchange's  
9 proposal --

10 THE WITNESS: Right.

11 JUDGE STRICKLER: -- doesn't provide for a  
12 uniquely correct way to do it.

13 And I think, in response to counsel's  
14 question, you said yes, there may be reasonable ways  
15 to do it, but people will differ over what they think  
16 is reasonable.

17 If the parties agreed on the person to  
18 make that decision, haven't we avoided the  
19 transaction cost problem?

20 THE WITNESS: Let me tell you about -- it  
21 says "According U.S. GAAP." Let me tell you what  
22 U.S. GAAP would say to do here. May I tell you?  
23 There is a U.S. GAAP guidance on this. And let me  
24 tell you what it says. This is in respect to the  
25 first two problems. It doesn't treat the third. You

1 guys have got to deal with this third one.

2 But U.S. GAAP says, when you have a  
3 multiple element contract like this bundle, there are  
4 three ways to deal with the separation of the  
5 bundling. You need to get to relative selling price  
6 first, to use something called VSOP, vendor specific  
7 objective evidence.

8 Second way is to use something called  
9 third-party evidence, other people's prices.

10 And at the bottom of the barrel is  
11 something called best estimate of selling price.  
12 That's the third choice. Best estimate of selling  
13 price is the technical way of saying, "I made it up  
14 myself." That's what I tell them. You make up the  
15 number yourself.

16 And that's in Generally Accepted  
17 Accounting Principles. And one of the people in this  
18 room in their publicly -- 10-K says, "We do it, and  
19 we use best estimate of selling price. We made these  
20 numbers up ourselves."

21 So if we stick with this rule, and we get  
22 Generally Accepted Accounting Principles to tell us  
23 how to do it, and they choose the best estimate of  
24 selling price, and that is GAAP, and now we get  
25 somebody come in to say, "All right. Did they do it

1 according to GAAP?" "Yes, they did." SoundExchange  
2 is going to squeal like a stuck pig. They made those  
3 number up themselves. But it's according to GAAP.

4 I think it is unworkable because Generally  
5 Accepted Accounting Principles say you can use  
6 numbers you made up yourself. Best estimate of  
7 selling price. I can show it to you in the  
8 regulations. I could show it to you in the 10-K of  
9 some people in this room.

10 JUDGE STRICKLER: Thank you.

11 BY MR. OLASA:

12 Q. Professor Weil, I'd like to turn your attention  
13 to Page 8, Line 279.

14 THE WITNESS: You can subtract my  
15 filibustering from the time on this bet, Your Honor.

16 MR. OLASA: I just have a couple more  
17 questions.

18 JUDGE STRICKLER: Maybe you want to double  
19 down.

20 THE WITNESS: 279? Right. "Any basis."

21 BY MR. OLASA:

22 Q. You say: "Any basis for allocating" -- well,  
23 I'll let you read the sentence, Professor Weil.

24 A. Out loud or to myself?

25 Q. Out loud, please.

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1       A.   Okay.  "Any basis for allocating advertising  
2 revenue between over-the-air and simulcast would be  
3 arbitrary."

4       Q.   And --

5       A.   And now let's stop there.  Let me --

6       Q.   Well, Professor Weil --

7       A.   When an accountant uses the word "arbitrary" --

8               JUDGE STRICKLER:  He hasn't asked you a  
9 question.

10              THE WITNESS:  Well, I wanted to explain  
11 what arbitrary means when it got to accountants.  It  
12 doesn't mean what layman means.

13              JUDGE STRICKLER:  You still have to play  
14 by the rules.

15              THE WITNESS:  Okay.  All right.

16              JUDGE STRICKLER:  You can't just make it  
17 up.

18              THE WITNESS:  Okay.  Thank you, sir.

19              Please ask me what "arbitrary" means.

20              BY MR. OLASA:

21       Q.   Professor Weil, by the word "arbitrary," am I  
22 correct in saying that -- when an accountant uses the  
23 word "arbitrary," am I correct in assuming that an  
24 accountant does not mean random or capricious?

25       A.   Oh, good.  I couldn't have said it better

1 myself. Sounds like you're quoting from my  
2 dictionary.

3 Q. Is that right?

4 A. That's correct. Thank you.

5 Q. And does that mean that allocation of revenue  
6 is a matter of discretion but not random or  
7 capricious?

8 A. Correct.

9 MR. OLASA: All right. No further  
10 questions.

11 CHIEF JUDGE BARNETT: Mr. Mills, anything  
12 further?

13 MR. MILLS: Nothing further.

14 CHIEF JUDGE BARNETT: Thank you, Professor  
15 Weil.

16 THE WITNESS: Thank you.

17 CHIEF JUDGE BARNETT: We are at recess  
18 until 9:00 in the morning.

19 JUDGE STRICKLER: Tomorrow morning who are  
20 we starting off with? Do we know?

21 MR. THORNE: Professor Doug Lichtman will  
22 be on the stand.

23 JUDGE STRICKLER: Have you gentlemen come  
24 to an agreement as to which portions of the conjoint  
25 testimony --

1 MR. THORNE: Yes. He'll be primarily  
2 addressing Professor Rubinfeld's interaction  
3 benchmark and then the corroborative evidence, the  
4 Apple and 3E services.

5 JUDGE STRICKLER: Give that to me one more  
6 time. Apple, the 3E, and what else?

7 MR. THORNE: The interactive service  
8 benchmark that Professor Rubinfeld relies on. And  
9 that corresponds, if you look at the rebuttal -- the  
10 written rebuttal testimony, that's parts Roman  
11 numeral II, Roman numeral III, Roman numeral VI.

12 JUDGE STRICKLER: And the supplemental --

13 MR. THORNE: And then the supplemental  
14 rebuttal testimony on Apple and the 3E services.

15 JUDGE STRICKLER: And we talked about  
16 going back to back if we got to --

17 MR. THORNE: Professor Fischel and --

18 JUDGE STRICKLER: Just Professor Fischel.  
19 Dr. Lichtman we're not going to do that.

20 MR. THORNE: Correct.

21 MR. POMERANTZ: And I think that's the  
22 only witness for tomorrow. We have not been notified  
23 of any other witness that's taking the stand  
24 tomorrow.

25 CHIEF JUDGE BARNETT: That should more

1 than do.

2 THE WITNESS: Thank you for letting me  
3 finish today.

4 JUDGE STRICKLER: I'm going to be thumbing  
5 through some things, so act as if I'm not here.

6 (Whereupon, the proceeding was adjourned  
7 at 4:52 p.m.)

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1 CERTIFICATE OF COURT REPORTER

2

3 I, Bonnie L. Russo, do hereby certify that the  
4 foregoing transcript is a true record of the  
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